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# 1982

## Census of Construction Industries

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CC82-A-8

GEOGRAPHIC AREA SERIES

### Mountain States

Arizona, Colorado, Idaho, Montana, Nevada,  
New Mexico, Utah, Wyoming



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The publications  
from the 1982 Economic and  
Agriculture Censuses are dedicated  
to the memory of Shirley Kallek,  
Associate Director for Economic Fields.  
During her career at the Bureau of the  
Census (1955 to 1983), she continually  
directed efforts to improve  
the timeliness and accuracy of  
economic statistics.

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# **1982**

# **Census of**

# **Construction Industries**

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GEOGRAPHIC AREA SERIES

## **Mountain**

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New Mexico, Utah, Wyoming

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Issued April 1985



**U.S. Department of Commerce**

**Malcolm Baldrige**, Secretary

**Clarence J. Brown**, Deputy Secretary

**Sidney Jones**, Under Secretary for  
Economic Affairs

**BUREAU OF THE CENSUS**

**John G. Keane**,

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### CONSTRUCTION DIVISION

Leonora M. Gross, Chief

**ACKNOWLEDGMENTS**—Many persons participated in the various activities of the 1982 Census of Construction Industries. Primary direction of the program was performed by **Shirley Kallek**, Associate Director for Economic Fields (until May 1983), **Charles A. Waite**, her successor, and **Michael G. Farrell**, Assistant Director for Economic and Agriculture Censuses (until August 1984), and **John H. Berry**, his successor.

This report was prepared in the Construction Statistics Division under the general direction of **Leonora M. Gross**, Chief. **Alan I. Blum**, Assistant Division Chief for Industry Surveys, was responsible for the overall management of the census of construction industries. He guided the planning and implementation of the project and coordinated activities with other divisions.

**A. William Visnansky** supervised the preparation of this report. **Barbara J. Hadden**, **Edward R. Glover**, **Otto G. Ricci**, **Marie Rustin-Sanhueza**, and **Shirley M. Baker** made important contributions in such areas as developing specifications, procedures, and resolving problems.

The computer processing system was developed and coordinated under the direction of **Barbara M. Walter**. **Richard W. Swartz** made significant contributions to the planning and development of the computer programs, and **Herbert S. Isham** was responsible for the implementation of those programs. The computer programs were also developed and written by **John Sibley**, **Clifford Jordan**, **Linda M. Mersch**, **Adele Cerrelli**, and **Dan G. Sansbury**. **Mary D. Brady** was responsible for most of the data preparation specifications and procedures. **Matthew R. Golas** was responsible for the coordination with the Computer Services Division. **Johnnye Pringle** was responsible for production control of the computer processing. Under the direction of **Jesse Pollock**, **Edward K. Ricketts** and **Dennis K. Duke** developed the sampling plans, some computer processing specifications, and quality control procedures.

Systems and procedures for mailout, receipt, correspondence, data input, industry classification, other clerical processing, administrative record processing, and quality control, along with the associated electronic computer programs, were developed in the Economic Surveys Division, **W. Joel Richardson**, Chief.

Planning, design, review, and composition of report forms were performed in the Administrative Services Division, **Robert L. Kirkland**, Chief.

Publication planning, design, editorial review, composition, and printing procurement were performed in the Publications Services Division, **Raymond J. Koski**, Chief.

Geographic coding procedures and associated computer programs were developed in the Geography Division, **Robert W. Marx**, Chief.

Mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review were performed in the Data Preparation Division, **Don L. Adams**, Chief.

Computer processing was performed in the Computer Services Division, **C. Thomas DiNenna**, Chief (until February 1984), and **John E. Halterman**, his successor.

Photocomposition programs for the statistical tables were developed in the Systems Support Division, **Larry J. Patin**, Chief (until October 1983), and **Arnold E. Levin**, his successor.

Special-purpose computer programs for disclosure analysis were developed in the Business Division, **Gerald F. Cranford**, Chief (until December 1983), and **Howard N. Hamilton**, his successor.

The overall planning and review of the census operations were performed by the staff of the office of the Assistant Director for Economic and Agriculture Censuses.

Special acknowledgment is also due to the many businesses whose cooperation has contributed to the publication of these data.

#### Library of Congress Cataloging in Publication Data

Census of construction industries (1982)

1982 census of construction industries.

Contents: [1] Geographic area series — [2] Industry series.

Supt. of Docs. no.: C 3.245/7: CC82-A-

1. Construction industry--United States--Statistics.

I. United States. Bureau of the Census. II. Title.

HD9715.U52C466 1984 338.4'7624'0973 83-600141

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

If you have any questions concerning the statistics in this report, call (301) 763-7546.



FINAL REPORT  
GEOGRAPHIC AREA SERIES

# 1982 Census of Construction Industries

CC82-A-1 to 10  
Changed October 1986

## CHANGE SHEET

This revision is to table 6 in the original publications for Geographic Area Series CC82-A-1 to 9 and table 9 for Geographic Area Series CC82-A-10. In the stub, change 1982 (line 8) to read 1981 and 1981 (line 12) to read 1982.



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# Mountain States

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## ECONOMIC CENSUSES OVER TIME

The early beginnings of America’s industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every 2 years. The need for war-related current surveys in the early 1940’s postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950’s and early 1960’s. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau’s economic census program. (For the 1977 censuses, the coverage of the service

industries was broadened from “selected services” to all services, except religious organizations and private households. A total of 41 additional four-digit standard industrial classifications<sup>1</sup> (SIC’s) in 7 SIC major groups was added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions and similar labor organizations; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

## USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation’s economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

<sup>1</sup>Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No.041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

## **AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES**

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

## **METHOD OF ACCOUNTING AND TIME COVERED**

For the census report, respondents could use any system of accounting by which they maintained their books. Therefore, reports could be based on cash, accrual, or completion of contract methods of accounting.

A report was supposed to cover the calendar year 1982. If that involved considerable costs, fiscal year reporting was permitted if it did not produce great differences. However, all payroll and employment figures had to be reported for the calendar year.

## **CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION**

The 1982 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots as defined in the 1972 Standard Industrial Classification (SIC) Manual.<sup>1</sup> This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

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<sup>1</sup>Standard Industrial Classification Manual: 1972. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 041-001-00066-6. 1977 Supplement. Stock No. 003-005-00176-0.

**Contract construction**—The SIC manual defines construction in three broad types of activity: (1) building construction by general contractors, (2) other construction by general contractors, and (3) construction by special trade contractors.

1. **Building construction by general contractors**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other projects of a similar character.
2. **Other construction by general contractors**—Often referred to as heavy construction contractors, these contractors are primarily engaged in the construction of highways, streets, bridges, and tunnels; docks and piers; dams and water projects; sewage collection, treatment, and disposal facilities; storm sewer systems; air fields; and other heavy construction which involves either earth moving or the erection of structures and appurtenances, other than buildings.
3. **Construction by special trade contractors**—Special trade contractors are primarily engaged in specialized construction activities such as plumbing, painting, electrical work, carpentry, etc.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

**Construction on their own account, for sale**—Operative builders are primarily engaged in constructing buildings or other structures on their own account, acting as their own general contractor. These structures are generally sold when completed. Investment builders, primarily engaged in construction on their own account for rent or lease, were not included within the scope of the construction census.

**Subdividers and developers, except cemeteries**—The SIC manual defines subdividers and developers, except cemeteries, as establishments engaged in subdividing real property into lots, except cemetery lots, and in developing it for resale on their own account or for others.

In this system, each establishment is assigned an industry code on the basis of its major activity.

Each establishment receiving a questionnaire was requested to report the percent of total business receipts for each kind-of-business activity engaged in during 1982. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction receipts to total business receipts was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities, but in only a few instances do the SIC industry categories take into consideration combinations of activities. An example is SIC 1711, which includes establishments primarily engaged in plumbing, heating, air conditioning, ventilation, and refrigeration work. It is necessary, however, to assign a single industry code to the establishment based on its major activity.

Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities.

The structure of the Standard Industrial Classification System makes it possible to classify or tabulate establishments by major group (two-digit), industry group (three-digit), or industry (four-digit) according to the degree of detail available and needed.

## ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business which has been established for the management of more than a single project or job and is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to, estimating, bidding, scheduling, purchasing, supervising, and operating the actual construction work being conducted at one or more construction sites.

Exceptions to the "relatively permanent office" rule were that: (1) in case of joint ventures, a separate establishment report was required covering the joint venture entity even though established to undertake only a single project; and (2) to the extent that separate legal entities were set up to carry out only a given project or part of a project, then a separate establishment report was also required for each legal entity.

To the extent that several companies shared or operated out of a single office or place of business, each such legal entity engaged in construction was considered a separate establishment and each was requested to file the necessary "establishment" report covering the activities it conducted in or from that common office.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1982.

Separate construction reports were not required for each project or construction site. Aggregated information was included in the report of the construction establishment responsible for the work of the construction projects and sites.

If an establishment engaged in two or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, construction, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1982 gross receipts from construction activities exceeded the gross receipts from each of its other activities.

An establishment is not necessarily identical with a "company" or "enterprise," which may consist of one or more establishments. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

Construction businesses with no payroll during 1982 (nonemployers) were not required to file census reports. Collection and tabulation of data for these businesses are described in the section on "Sample Design." Foreign construction activities were not included in this census.

## SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The firms included in the 1982 Census of Construction Industries were identified as part of an operation common to all 1982 Economic Censuses. Construction firms were divided into employers (firms with payroll) and nonemployers (firms without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government based on information supplied directly to the agencies.

### Employer Firms

**Developing the sampling frame for employer firms**—This operation started with obtaining a list of all construction firms in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of firms engaged in business activities in the United States. The file contains the name, address, and form of ownership of each firm and also indicates whether or not the firm is subject to the Federal Insurance Contributions Act. Each firm in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each firm. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative-record data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer firms. However, for the 1982 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those firms which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multiestablishment firms and large single-establishment firms. Thus, the 1982 Economic Census list for single-establishment employer firms was obtained from the IRS-SSA, but the list of establishments of multi-establishment employer companies was obtained directly from those companies in the COS.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a firm to the proper economic census, but there were a number of firms for which this information was inadequate or unavailable. A special form, NC-9923, General Report, was mailed to all such firms, requesting information on the nature of the firm's activities. From the information reported, the firm was given an industrial classification code and assigned to the appropriate economic census. Since construction firms found in this way were identified as such, only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

For 1982, some data will be published for Standard Consolidated Statistical Areas (SCSA's) and selected Standard Metropolitan Statistical Areas (SMSA's). Therefore, each establishment was assigned to an SMSA code or to the balance of a State. The balance of the State was considered to be a separate cell for the selection process. In States where none of the SMSA's had more than 500,000 inhabitants in the 1970 Decennial Census, all establishments were assigned to the balance of the State.

**Selecting the employer sample**—A construction universe of about 464,000 single establishment employer firms and 6,500 multiestablishment employers, accounting for another 13,000 construction establishments, was developed by the procedures described above. From this universe, a sample of 172,000 employer establishments was selected. This sample was generally organized by standard industrial classification (SIC) in State sequence. The sample was designed to provide publishable estimates for the most construction industries at the State and selected SMSA level. It consisted of all construction establishments in multiestablishment companies, all single-establishment companies with the payroll equivalent of 20 employees or more, and a sample of single-establishment companies with less than 20 employees. There were three SIC's for which this standard plan was not used: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

The number of establishments classified in each of these three industries is very small and consequently, all single-unit establishments in these three industries were included in the sample. For sampling purposes, the number of employees was estimated from the 1981 payroll data in the administrative records, using an industry average wage per employee. The sampling was accomplished using a systematic method within each four-digit SIC. If the SIC code for an establishment was not complete, it was sampled as part of a two-digit group (e.g., 1520 was sampled as 1500, 1620 as part of 1600) except for non-classifiable cases in two-digit group 17. These were sampled as part of 1799 which is Special Trade Contractors, Not Elsewhere Classified. For the establishments with less than 20 employees, the sample was selected by sorting the establishments into State by SMSA by SIC by payroll sequences, and drawing a systematic sample of at least two establishments within each cell, with the probability of selection being proportional to the 1981 payroll. If the State-SMSA-SIC cell had two or less establishments in the frame, all establishments were selected (a 100-percent sample). A 100-percent sample was taken of the construction firms identified from the NC-9923, General Report, and of the transfers from other census trade areas. These latter cases were identified during the processing stages. These were caused either by changes of activity in the firm since the last updating of the classification file, or errors in the mailout classification. These cases were all added to the construction census, with certainty.

**Estimation procedures for 1982 and 1977 data**—Since all larger employer firms and some smaller ones were included in the census, sample estimation was required only for the universe of firms not selected with certainty. The published statistics are the totals of the estimates for the sampled firms and the

aggregates for the certainty (larger) firms. All estimates for 1982 and 1977 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum_{i=1}^{n_c} x_i / p_i}{n_c}$$

where:  $x'_c$  is the simple unbiased estimate of a characteristic for a publication cell.

$x_i$  is the reported value of a characteristic for an individual establishment in the publication cell.

$p_i$  is the selection probability of that firm.

$n_c$  is the number of firms in the sample for the cell.

This method of estimation was used for all 1982 and 1977 characteristics. Before this formula was applied, it was necessary to convert into dollars those distributions of construction receipts which had been reported by the establishments as percentages—construction receipts by type of project, location of project, etc.

**Reliability of employer statistics**—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimates directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Although relative standard errors have been calculated for all of the published statistics, they are shown for each statistic only in the tables presenting detailed statistics. The other tables show relative standard errors only for some characteristics because of lack of space.

Separate measures of reporting and processing errors are not available. However, estimates which were subject to large errors of these types are likely to have been detected and corrected, or withheld from publication in the process of the review of the data for reasonableness and consistency. Other specific qualifications of the published data are indicated in footnotes to the tables.

The statistics in this report were based on data received by the time of final publication. Data were imputed for

establishments that did not report by that date. Selected establishments were contacted again to obtain as much information on the telephone as possible. Late data received in early 1984 were substituted for imputed data when the difference between the two was significant. Some publication cells in which more than 50 percent of the data were imputed have been suppressed.

## Nonemployer Firms

**General**—As described earlier, the information derived from the business income tax returns of all firms was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with firms without payroll were treated as nonemployers. The nonemployer construction firms were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts" was based on receipts information reported on the tax return. In 1982, this group accounted for 60 percent of the total number of construction establishments, but accounted for only 8 percent of all business receipts of all construction establishments.

**Qualifications to the nonemployer data**—Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

## CENSUS REPORT FORMS

Information for the 1982 Census of Construction Industries was obtained from employer establishments primarily through the use of eight questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the three two-digit SIC groups (15, 16, and 17), and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted most of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were solicited from construction trade associations and appropriate advisory groups. The Census Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

## DATA PROCESSING

The 1982 census report forms were mailed out in December 1982. Collection of these report forms, also by mail, was essentially completed in July 1983. They were mailed from and

returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters in Washington, D.C.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding) and imputation for missing items or for the small number of reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

## GEOGRAPHIC CLASSIFICATION

Information for the 1982 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. Separate State codes were assigned based on this information.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected SCSA's and SMSA's.

## DUPLICATION IN RECEIPTS

The aggregate of construction receipts reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work (and the receipts) of one firm may be subcontracted to other construction firms and also be included in the subcontractors' receipts. To avoid this duplication, a "net construction receipts" figure has been derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts.

Duplication in receipts between other construction and non-construction industries results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is

defined in the 1982 Census of Construction Industries as equal to all business receipts less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, value added is defined as equal to all business receipts less land receipts, payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels.

**SPECIAL TABULATIONS**

Special tabulations of data collected in the 1982 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies), as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, D.C., 20233.

To discuss a special tabulation before submitting specifications, call 301-763-5435.

**RELATIONSHIPS OF THE ECONOMIC CENSUSES TO CURRENT SURVEYS**

The Census Bureau also conducts current surveys (monthly, quarterly, and annually) to keep abreast of the rapid changes in business conditions, new processes, new materials, and shifting demands of goods and services. The census universe provides the sampling frame, weights, and benchmarks on which some of these current surveys are based. The accuracy of the measures derived from these current surveys is directly related to the completeness of information provided in the censuses.

**COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA**

Data contained in the reports of the 1982 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas, the construction census figures cover both new construction and

maintenance and repair work, but only for establishments classified in the construction industry. Force account construction activity—construction work performed by the labor force of a nonconstruction company for itself, or by other entities (Federal, State, or local governments) for themselves, or by property owners for themselves—probably accounts for more than half of the difference in the data of the two series of reports. Other factors contributing to the difference are that the census data do not include: (1) the value of materials supplied by the owners of projects, (2) the value of separate architectural and engineering services and, to a lesser extent, (3) the value of construction work performed for others by firms outside the scope of construction (manufacturers who install, lumber yards and other businesses, etc.).

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology. Their effect is not fully known.

**ABBREVIATIONS AND SYMBOLS**

The following abbreviations and symbols are used in this publication:

- \* Sampling error exceeds 40 percent.
- \*\* All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others. (See Duplication in Receipts.)
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts." (See Duplication in Receipts.)
- ‡ Possible duplication in data. (See Duplication in Receipts.)
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- n.s.k. Not specified by kind.

# Users' Guide for Locating Statistics in This Report by Table Number

Statistics	By State	By industry	By employ- ment size	By receipts size	By type, class, ownership, kind of business, and location of construction <sup>1</sup>	By SCSA and SMSA <sup>2</sup>
Assets and depreciation (gross book value):						
Beginning of year—structures, machinery and equipment . . . . .	5					
End of year—total . . . . .	3, 5	3	7	8		
End of year—structures, machinery and equipment . . . . .	5					
Depreciation charges during the year— structures, machinery and equipment . . . . .	5					
Capital expenditures:						
Total capital expenditures . . . . .	3, 5	3	7	8		12
New structures—machinery and equipment . . . . .	5					
Used structures—machinery and equipment . . . . .	5					
Communication services, payments for . . . . .	4					
Employees:						
All employees—average number . . . . .	1, 3	3	7	8		12
Construction workers—average number . . . . .	3, 4, 10	3, 10				
Other employees—March . . . . .	4					
Employer costs for fringe benefits—legally required and voluntary expenditures . . . . .	4					
Establishments:						
Number in business at end of year . . . . .	4					
Number in business during the year:						
All . . . . .	1			2		
With payroll . . . . .	1, 3, 4, 6, 10	3, 10	7	2, 8		12
Without payroll . . . . .	1			2		
Hours—construction workers:						
Total . . . . .	3, 4, 10	3, 10	7	8		
Quarterly . . . . .	4, 10	10				
Inventories . . . . .	6					
Materials, components, supplies, and fuels— payments for . . . . .	3, 4	3	7	8		12
Payroll:						
First quarter, all employees . . . . .	4					
Annual:						
All employees . . . . .	3, 4	3	7	8		12
Construction workers . . . . .	3, 4	3				
Other employees . . . . .	4					
Power, fuels, and lubricants—payments for . . . . .	4					
Proprietors and working partners:						
All establishments . . . . .	1			2		
Establishments with payroll . . . . .	1, 4			2		
Establishments without payroll . . . . .	1			2		
Ratios, industry . . . . .	11	11				
Receipts:						
All business receipts:						
All establishments . . . . .	1			2		
Establishments with payroll . . . . .	1, 4		7	2, 8		
Establishments without payroll . . . . .	1			2		
Construction receipts, total . . . . .	3, 4, 6	3	7	8	4, 9	12
For work subcontracted in from others . . . . .	4					
Other business receipts and land receipts . . . . .	4					
Net construction receipts . . . . .	3, 4	3	7	8		12
Value added . . . . .	3, 4	3	7	8		12
Rental payments:						
Total . . . . .	3, 4	3	7	8		
For machinery and equipment . . . . .	4					
For structures . . . . .	4					
Repairs to structures and related facilities . . . . .	4					
Repairs to machinery and equipment . . . . .	4					
Storage capacity for fuels <sup>3</sup> . . . . .	4					
Subcontract work to others, payments for . . . . .	3, 4	3	7	8		12

Note: Data for 1977 and earlier years are also available in some of these tables.

<sup>1</sup>Type—buildings, roads, etc. Class—new construction or maintenance and repair work. Ownership—private or government owned.

<sup>2</sup>SCSA—Standard Consolidated Statistical Area; SMSA—Standard Metropolitan Statistical Area.

<sup>3</sup>Storage capacity for fuels shown only for SIC's 1611, 1622, 1623, and 1629.

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# SUMMARY OF FINDINGS

During 1982, 17,200 establishments in Arizona operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$6.0 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 10,397 establishments in this State with no payroll accounted for about 9 percent of all business receipts for all construction establishments in Arizona. On the other hand, 6,803 establishments classified as "employers" accounted for 91 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$5.4 billion, of which \$5.0 billion were receipts for construction work. These establishments paid \$1.4 billion for construction work subcontracted to others, leaving net construction receipts of about \$3.6 billion. Value added for these establishments amounted to \$2.2 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Arizona paid \$1.5 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$93.5 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Arizona was 64.7 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 18.3 million hours, while hours worked during the third quarter were 19.9 million hours.

Total payroll for 1982 was \$1.0 billion. Payments of \$191 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Arizona are based on a sample of about 3,050 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	17 200	12 222	64 689	5 951 915	10 397	10 221	538 519	6 803	2 001	64 689	5 413 396	1	1
15,16, 17	Construction industries <sup>1</sup> -----	16 742	11 894	63 674	5 758 621	10 063	9 896	431 280	6 679	1 998	63 674	5 327 341	1	1
15	General building contractors and operative builders-----	4 013	2 469	15 088	2 495 082	2 237	2 096	195 532	1 776	373	15 088	2 299 550	2	1
16	Heavy construction, general contractors _	749	474	8 001	945 070	431	425	16 233	318	49	8 001	928 837	2	1
17	Special trade contractors-----	11 980	8 951	40 585	2 318 469	7 395	7 375	219 515	4 585	1 576	40 585	2 098 954	2	1
1711	Plumbing, heating, and air conditioning----	1 730	1 127	7 738	497 956	854	850	38 529	876	277	7 738	459 427	3	2
1731	Electrical work-----	1 186	734	5 913	361 705	545	526	18 120	641	208	5 913	343 585	8	2
6552	Subdividers and developers, n.e.c. <sup>2</sup> -----	452	327	1 008	193 288	334	325	107 239	118	2	1 008	86 049	4	4
	1977													
	Construction industries and subdividers and developers-----	10 873	8 322	52 868	3 432 901	5 588	5 670	174 158	5 285	2 652	52 868	3 258 743	1	1
15,16, 17	Construction industries <sup>1</sup> -----	10 573	8 074	51 698	3 295 582	5 406	5 452	149 619	5 167	2 622	51 698	3 145 963	2	1
15	General building contractors and operative builders-----	2 541	1 730	16 541	1 685 429	1 054	1 051	69 571	1 487	679	16 541	1 615 858	3	2
16	Heavy construction, general contractors _	531	360	5 102	399 246	279	281	8 201	252	79	5 102	391 045	3	2
17	Special trade contractors-----	7 501	5 984	30 055	1 210 907	4 073	4 120	71 847	3 428	1 864	30 055	1 139 060	2	1
1711	Plumbing, heating, and air conditioning----	1 119	725	4 962	232 007	473	482	11 203	646	243	4 962	220 804	4	3
1731	Electrical work-----	734	521	3 640	161 930	280	280	7 346	454	241	3 640	154 584	5	4
6552	Subdividers and developers, n.e.c. <sup>2</sup> -----	305	248	1 172	137 324	182	218	24 539	123	30	1 172	112 785	6	10

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size**  
**Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State</b> .....	17 200	12 222	64 689	5 951 915	10 397	10 221	538 519	6 803	2 001	64 689	5 413 396	1	1
\$10,000,000 or more .....	82	6	11 013	(D)	2	2	(D)	80	4	11 013	2 047 203	(W)	(W)
\$5,000,000 to \$9,999,999 .....	95	16	5 670	2 752 224	6	10	36 209	89	6	5 670	627 781	(W)	(W)
\$2,500,000 to \$4,999,999 .....	187	6	6 748	643 082	5	4	17 940	182	2	6 748	625 142	(W)	1
\$1,000,000 to \$2,499,999 .....	579	80	12 187	877 135	36	46	58 537	543	34	12 187	818 598	2	3
\$500,000 to \$999,999 .....	822	176	9 396	594 282	88	85	61 840	734	91	9 396	532 442	7	4
 \$250,000 to \$499,999 .....	1 295	444	8 196	453 813	186	170	63 969	1 109	274	8 196	389 844	5	4
\$100,000 to \$249,999 .....	2 278	1 205	7 083	357 773	597	563	91 055	1 681	642	7 083	266 718	6	4
\$50,000 to \$99,999 .....	1 994	1 366	2 456	140 698	911	904	63 304	1 083	462	2 456	77 394	7	6
\$25,000 to \$49,999 .....	1 954	1 567	1 105	68 857	1 387	1 359	48 375	567	208	1 105	20 482	9	7
 Less than \$25,000 .....	7 912	7 355	833	64 050	7 179	7 078	56 259	733	277	833	7 791	7	7
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	2 394	2 342	37 817	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	1 795	1 780	12 107	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 770	1 760	5 115	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 .....	(NA)	(NA)	(NA)	(NA)	1 220	1 196	1 220	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State</b> .....	10 873	8 322	52 868	3 432 901	5 588	5 670	174 158	5 285	2 652	52 868	3 258 743	1	1
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	100	9	11 930	1 339 300	—	—	—	100	9	11 930	1 339 300	3	(W)
\$2,500,000 to \$4,999,999 .....	137	11	6 894	476 569	3	4	9 478	134	7	6 894	467 091	3	3
\$1,000,000 to \$2,499,999 .....	378	65	8 826	566 990	19	27	27 240	359	38	8 826	539 750	2	4
\$500,000 to \$999,999 .....	493	115	6 788	345 723	35	34	23 350	458	81	6 788	322 373	3	4
 \$250,000 to \$499,999 .....	899	470	7 483	312 926	47	49	15 169	852	421	7 483	297 757	5	5
\$100,000 to \$249,999 .....	1 417	848	6 285	225 628	158	157	23 913	1 259	691	6 285	201 715	6	6
\$50,000 to \$99,999 .....	1 163	887	2 404	82 721	312	340	21 552	851	547	2 404	61 169	10	9
\$25,000 to \$49,999 .....	1 219	1 034	1 283	43 220	640	668	22 228	579	366	1 283	20 992	15	11
 Less than \$25,000 .....	5 066	4 883	(S)	39 824	4 374	4 391	31 228	(S)	(S)	(S)	(S)	—	—
\$10,000 to \$24,999 .....	1 696	1 585	641	26 678	1 297	1 298	19 964	399	287	641	6 714	17	16
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	1 104	1 111	7 431	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 151	1 160	3 264	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	822	822	569	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdividers and developers -----	6 803	64 689	50 662	1 045 778	758 760	77 278	5 002 050	3 580 366
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	978	5 384	4 138	65 595	46 395	5 860	396 630	254 981
1522	Other residential buildings -----	112	945	694	15 966	9 347	1 178	180 273	62 679
1531	Operative builders -----	267	3 347	1 284	65 721	19 341	1 993	1 638 553	308 965
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	88	827	594	17 134	11 050	1 009	127 550	59 992
1542	Nonresidential buildings, n.e.c. -----	331	4 585	3 344	87 671	55 468	4 729	807 915	316 341
16	Heavy construction general contractors:								
1611	Highway and street construction -----	136	3 966	3 080	75 523	55 400	5 116	393 847	295 979
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	7	139	107	3 264	2 411	185	14 988	12 916
1623	Water, sewer, and utility lines -----	116	1 745	1 464	33 306	25 726	2 560	127 587	111 118
1629	Heavy construction, n.e.c. -----	59	2 151	1 908	47 196	41 743	3 446	224 162	201 115
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	876	7 738	5 915	138 593	104 104	9 968	451 715	418 491
1721	Painting, paper hanging, and decorating -----	340	1 657	1 432	19 404	16 367	1 964	47 270	45 650
1731	Electrical work -----	641	5 913	4 877	107 028	87 005	8 574	340 408	331 277
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	325	2 700	2 396	32 683	27 894	3 312	96 409	93 068
1742	Plastering, drywall, and insulation work -----	358	4 667	4 108	65 808	53 971	5 492	189 019	180 668
1743	Terrazzo, tile, marble, and mosaic work -----	111	806	680	8 038	6 041	794	25 686	25 342
175	Carpentering and flooring:								
1751	Carpentering -----	382	3 438	3 009	41 278	33 883	3 566	132 198	125 312
1752	Floor laying and other floorwork -----	113	637	507	8 074	6 065	617	32 679	30 616
1761	Roofing and sheet metal work -----	268	2 731	2 219	37 515	28 187	3 110	137 335	129 932
1771	Concrete work -----	376	3 751	3 302	53 518	43 469	4 746	197 348	186 165
1781	Water well drilling -----	44	274	235	4 308	3 574	441	18 869	18 450
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	74	1 132	962	24 466	19 736	1 501	65 487	61 644
1793	Glass and glazing work -----	57	445	310	6 689	4 183	609	24 921	24 711
1794	Excavating and foundation work -----	222	1 782	1 528	30 530	24 842	2 603	133 517	120 966
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	15	194	156	5 712	4 702	296	15 088	14 664
1799	Special trade contractors, n.e.c. -----	379	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	118	1 008	347	14 524	3 388	539	148 332	33 312

†Land receipts for SIC 1531 were \$112,750; for SIC 6552 were \$32,838.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
2 213 619	1 632 505	1 421 684	70 500	81 716	870 029	52 868	3 060 011	1 292 615	1	1	3	15,16, 17
												15
148 795 39 658	114 702 27 357	141 648 117 594	4 734 867	4 529 3 349	45 131 21 972	6 273 871	383 181 45 169	127 181 11 639	4 7	4 6	7 3	152 1521 1522
249 110	76 565	329 588	5 200	6 010	124 473	4 653	555 782	153 251	3	1	3	1531
41 197 209 459	20 083 111 908	67 558 491 574	963 5 281	1 021 7 872	8 381 43 372	772 3 972	59 707 455 765	18 915 135 354	12 2	7 2	12 2	154 1541 1542
												16
101 789	202 629	97 867	11 547	11 273	136 752	2 687	237 054	117 424	2	1	1	1611
7 216 64 390 230 991	(D) 48 306 (D)	2 072 16 469 23 046	230 5 658 1 119	1 089 3 677 2 216	7 213 47 738 30 185	118 1 551 746	8 022 98 399 40 413	2 419 37 907 26 089	(W) 4 2	(W) 4 1	(W) 1 2	162 1622 1623 1629
												17
230 035	196 168	33 224	5 969	7 813	63 866	4 962	215 644	111 807	3	3	5	1711
33 044	13 428	1 620	662	1 316	9 665	1 294	29 831	20 658	8	8	12	1721
173 422	161 032	9 131	5 334	5 596	51 666	3 640	152 274	91 544	8	2	7	1731
54 150 109 685 14 512	40 713 77 270 11 410	3 341 8 351 344	1 588 3 538 286	1 210 2 625 433	22 394 25 907 3 326	2 693 3 837 462	77 962 119 161 14 117	45 103 73 630 8 053	7 5 16	5 3 11	8 5 18	174 1741 1742 1743
63 042 14 985	63 627 16 496	6 886 2 063	1 387 635	2 527 396	16 769 4 047	2 825 692	86 299 28 543	42 025 14 510	6 17	4 15	6 11	175 1751 1752
70 879	61 357	7 403	1 890	3 865	20 110	1 877	67 427	34 544	7	5	12	1761
99 802	88 928	11 183	3 502	3 542	41 961	2 401	99 800	51 912	5	4	7	1771
10 902	7 574	418	313	643	10 603	297	17 254	10 850	17	15	11	1781
41 290 11 921 91 200 (D) 9 945 (D)	22 122 14 266 41 854 (D) 4 741 (D)	3 842 210 12 550 (D) 424 (D)	1 201 392 5 720 (S) 47 (D)	834 249 4 867 (S) 644 (D)	12 867 2 591 68 825 (S) 2 168 (D)	466 477 1 014 33 344 2 741	27 243 16 069 44 155 534 11 651 101 625	12 907 9 647 30 532 452 10 266 55 205	9 11 6 — (W) —	5 12 5 — (W) —	14 14 21 — (W) —	179 1791 1793 1794 1795 1796 1799
26 890	11 300	15 020	613	2 000	26 543	1 172	66 936	38 798	4	7	22	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	6 803	5 285	4 801	3 128	2	3	3	4
Number of establishments in business at end of year .....	6 592	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners .....	2 001	2 652	2 669	2 159	5	6	5	7
All employees** .....	64 689	52 868	55 887	25 672	1	1	2	1
Construction workers:								
March .....	48 488	37 098	43 231	19 375	2	2	2	2
May .....	50 722	41 253	44 506	21 471	2	2	2	2
August .....	51 002	45 621	47 835	22 674	2	2	2	2
November .....	49 513	45 631	44 999	21 291	2	2	2	2
Average .....	50 662	42 435	45 502	21 483	2	2	2	2
Other employees:								
March .....	13 838	9 773	9 730	4 222	1	2	2	2
Construction worker hours (thousands):								
January to March .....	18 260	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June .....	19 776	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September .....	19 915	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December .....	19 327	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked .....	77 278	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	1 045 778	648 253	568 334	177 693	1	1	1	1
Payroll, construction workers .....	758 760	493 901	458 248	145 606	1	1	1	1
Payroll, other employees .....	287 017	154 352	110 086	32 051	1	2	2	2
First quarter payroll, all employees .....	245 249	136 919	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits .....	190 563	133 705	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures .....	141 042	80 329	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures .....	49 521	53 377	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts .....	5 413 396	3 258 743	2 668 373	755 968	1	1	2	4
Total construction receipts .....	5 002 050	3 060 011	2 459 155	726 794	1	1	2	4
Receipts for work subcontracted in from others .....	1 432 878	917 602	609 717	174 854	2	1	2	3
Land receipts <sup>1</sup> .....	145 588	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Other business receipts .....	265 757	198 732	209 218	29 338	1	4	2	7
Net construction receipts† .....	3 580 366	2 157 553	1 691 420	520 039	1	1	2	3
Value added†† .....	2 213 619	1 292 615	1 096 657	329 082	1	1	1	2
Selected payments .....	3 054 189	1 842 930	1 433 233	414 408	1	1	2	5
Materials, components, and supplies <sup>2</sup> .....	1 539 050	885 882	665 498	207 626	1	1	2	4
Construction work subcontracted to others .....	1 421 684	902 458	767 735	206 759	1	2	3	6
Selected power, fuels, and lubricants .....	93 455	54 590	(NA)	(NA)	2	2	(NA)	(NA)
Electricity .....	13 197	12 545	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas .....	2 261	5 124	(NA)	(NA)	4	11	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	71 449	32 077	(NA)	(NA)	2	1	(NA)	(NA)
Other, including lubricating oils and greases .....	6 547	4 846	(NA)	(NA)	3	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	1 251	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	70 500	41 793	(NA)	(NA)	3	1	(NA)	(NA)
For machinery and equipment .....	49 276	35 516	31 077	14 063	4	1	2	3
For structures .....	21 224	6 277	(NA)	(NA)	3	4	(NA)	(NA)
Selected purchased services .....	88 429	50 429	(NA)	(NA)	2	2	(NA)	(NA)
Communication services .....	20 681	11 947	(NA)	(NA)	2	3	(NA)	(NA)
Repairs to structures and related facilities .....	4 775	4 253	(NA)	(NA)	4	14	(NA)	(NA)
Repairs to machinery and equipment .....	62 972	34 229	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	5 002 050	3 060 011	2 459 155	726 794	1	1	2	4
Government owned .....	867 848	554 000	464 100	281 937	3	1	2	2
Privately owned .....	4 134 201	2 506 011	1 995 055	444 857	1	1	2	2

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	854 964	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	81 716	93 217	69 352	13 793	3	3	3	3
New -----	53 901	80 313	56 603	9 547	4	3	3	4
Used -----	27 815	12 904	12 749	4 246	3	4	7	16
Retirements and disposition of depreciable assets -----	66 651	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	870 029	494 123	291 557	(NA)	2	2	6	(NA)
Depreciation charges during year -----	121 996	56 471	31 280	(NA)	4	2	2	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	200 970	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	13 080	33 591	26 634	2 139	3	11	9	14
New structures and related facilities -----	10 664	32 085	21 570	1 549	3	6	3	8
Used structures and related facilities -----	2 416	1 506	5 064	590	8	16	15	20
Retirements and disposition of depreciable assets -----	20 002	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	194 048	155 393	80 030	(NA)	2	5	3	(NA)
Depreciation charges during year -----	18 963	7 987	5 622	(NA)	5	12	2	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	653 994	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	68 636	59 626	42 718	11 654	3	3	3	10
New machinery and equipment, including automobiles and trucks -----	43 236	48 228	35 033	7 998	5	2	3	3
New automobiles and trucks, intended primarily for highway use -----	18 682	19 085	(NA)	(NA)	5	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	25 399	11 398	7 685	3 656	3	4	4	18
Retirements and disposition of depreciable assets -----	46 648	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	675 981	338 730	211 527	(NA)	2	1	8	(NA)
Depreciation charges during year -----	103 033	48 484	25 658	(NA)	4	1	3	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	6 803	2
Total construction receipts .....	5 002 050	1
<b>Establishments with inventories:</b>		
Number .....	1 833	8
Total construction receipts .....	2 187 528	1
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	176 174	4
Value for establishments with LIFO reserve .....	8 153	(W)
Amount of LIFO reserve .....	1 082	2
Value for establishments with no LIFO reserve .....	168 021	5
End of 1981, total .....	127 744	4
Value for establishments with LIFO reserve .....	7 056	1
Amount of LIFO reserve .....	1 372	7
Value for establishments with no LIFO reserve .....	120 688	4
<b>Establishments with no inventories:</b>		
Number .....	4 970	2
Total construction receipts .....	2 814 522	1

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments .....	6 803	3 906	1 256	929	522	125	57	5	3	-
All employees** .....	64 689	8 077	8 283	12 482	15 444	8 237	8 117	1 774	2 275	-
Payroll, all employees .....	1 045 778	84 754	110 376	185 131	262 830	162 370	152 365	30 627	57 325	-
Construction worker hours (thousands) .....	77 278	9 054	8 944	14 060	19 172	10 292	10 205	1 662	3 886	-
All business receipts .....	5 413 396	472 568	528 113	872 622	1 189 805	817 109	1 533 179	(D)	(D)	-
Total construction receipts .....	5 002 050	455 715	505 243	837 066	1 128 014	778 047	835 713	462 252	(D)	-
Net construction receipts† .....	3 580 366	352 018	380 711	636 286	820 171	524 098	548 966	64 929	253 186	-
Value added†† .....	2 213 619	205 007	215 843	374 193	505 334	323 823	343 666	245 752	(D)	-
Payments for materials, components, supplies, and fuels .....	1 632 505	155 208	176 064	276 613	339 649	220 472	225 237	239 261	(D)	-
Payments for construction work subcontracted to others .....	1 421 684	103 696	124 531	200 779	307 843	253 949	286 747	144 137	(D)	-
Rental payments for machinery, equipment, and structures .....	70 500	6 038	7 074	12 576	18 619	11 263	12 035	2 893	(D)	-
Capital expenditures, other than land .....	81 716	9 770	7 833	13 781	15 915	14 259	15 182	4 975	(D)	-
End-of-year gross book value of depreciable assets .....	870 029	104 852	100 261	138 545	174 882	130 491	135 528	85 469	(D)	-
<b>1977</b>										
All employees** .....	52 868	5 708	8 048	9 380	12 110	7 672	4 130	5 820	-	(D)
Total construction receipts .....	3 060 011	259 041	373 203	469 793	771 970	513 093	228 593	444 318	-	(D)
Value added†† .....	1 292 615	105 799	157 247	203 095	323 958	202 661	299 856	(D)	-	(D)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	1	3	4	5	2	(W)	(W)	(W)	(W)	-
Net construction receipts† .....	1	4	5	3	1	(W)	(W)	(W)	(W)	-
Capital expenditures, other than land .....	3	10	9	7	9	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments -----	6 803	733	567	1 083	1 681	1 109	734	543	182	89	80
All employees** -----	64 689	833	1 105	2 456	7 083	8 196	9 396	12 187	6 748	5 670	11 013
Payroll, all employees -----	1 045 778	2 253	5 538	19 139	67 173	100 061	141 399	206 725	135 303	126 994	241 190
Construction worker hours (thousands) -----	77 278	691	915	2 496	7 003	9 227	11 392	15 298	8 669	7 677	13 906
All business receipts -----	5 413 396	7 791	20 482	77 394	266 718	389 844	532 442	818 598	625 142	627 781	2 047 203
Total construction receipts -----	5 002 050	7 707	19 895	75 761	260 874	373 910	521 356	788 226	596 047	593 381	1 764 892
Net construction receipts† -----	3 580 366	6 778	17 813	68 284	232 414	316 302	439 377	649 765	447 685	419 667	982 278
Value added†† -----	2 213 619	3 840	11 008	41 514	133 653	183 570	246 619	379 490	259 986	251 575	702 360
Payments for materials, components, supplies, and fuels -----	1 632 505	2 996	7 255	27 825	102 347	142 138	199 756	291 691	202 689	181 086	474 718
Payments for construction work subcontracted to others -----	1 421 684	928	2 081	7 476	28 459	57 608	81 979	138 461	148 362	173 714	782 614
Rental payments for machinery, equipment, and structures -----	70 500	185	330	1 025	3 945	5 522	9 374	14 415	8 585	9 953	17 163
Capital expenditures, other than land -----	81 716	*28	370	1 428	6 321	7 911	9 620	14 580	7 948	9 707	23 801
End-of-year gross book value of depreciable assets -----	870 029	2 689	7 716	20 819	57 832	79 582	100 018	159 825	97 329	91 513	252 704
<b>1977</b>											
All employees** -----	52 868	(S)	1 283	2 404	6 285	7 483	6 788	8 826	6 894	111 930	(NA)
Total construction receipts -----	3 060 011	(S)	20 589	58 759	194 693	289 072	307 762	511 884	441 724	11 227 097	(NA)
Value added†† -----	1 292 615	(S)	10 539	30 418	103 361	140 251	145 516	215 735	193 954	1447 926	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** -----	1	7	9	7	6	5	7	2	(W)	(W)	(W)
Net construction receipts† -----	1	8	8	7	4	5	4	3	(W)	(W)	(W)
Capital expenditures, other than land -----	3	51	27	17	11	13	10	12	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
Total construction receipts†	5 002 050	4 428 696	573 354	1	1	2
<b>Building construction</b>	3 879 223	3 323 837	355 386	1	1	2
Single-family houses	1 565 712	1 403 861	161 851	1	1	4
Single-family houses, detached	1 313 679	1 167 711	145 967	2	2	4
Single-family houses, attached	252 033	236 150	15 883	3	4	9
Apartment buildings with two or more apartments	208 188	192 838	15 349	2	2	7
Other residential buildings	138 507	129 998	8 508	3	2	24
Office and bank buildings	505 987	465 760	40 226	1	1	4
Office buildings	445 654	413 402	32 252	1	1	5
Bank buildings and other financial institutions	60 333	52 358	7 974	4	4	9
Farm buildings	10 819	9 170	1 648	21	19	38
Industrial buildings and warehouses	462 893	418 088	44 805	2	2	5
Industrial buildings	348 366	309 646	38 720	2	2	6
Warehouses	114 526	108 442	6 084	4	3	7
Stores, restaurants, public garages, and automobile service stations	284 953	237 304	47 648	4	4	7
Religious buildings	42 467	38 284	4 182	11	12	15
Educational buildings	189 680	172 444	17 235	2	2	10
Hospitals and institutional buildings	174 358	165 160	9 197	1	1	5
Amusement, social, and recreational buildings	52 414	50 410	2 004	2	2	11
Other nonresidential buildings	43 241	40 512	2 728	6	6	33
<b>Nonbuilding construction</b>	990 265	832 828	157 836	1	1	8
Highways, streets, and related facilities	383 962	299 972	83 989	2	2	4
Outdoor swimming pools	33 927	31 300	2 627	7	7	9
Parking areas	10 313	9 819	494	7	6	13
Fencing	20 755	19 418	1 337	7	5	11
Recreational facilities	34 610	(D)	(D)	1	-	-
Bridges, tunnels, and elevated highways	27 148	23 313	3 834	2	3	(W)
Dam and reservoir construction	13 831	(D)	(D)	2	-	-
Conservation and development construction	42 222	37 455	4 766	3	3	16
Power and communication transmission lines, towers, and related facilities	38 355	28 029	10 325	4	3	10
Sewers, water mains, and related facilities	130 201	113 865	16 336	3	4	6
Sewers, sewer lines, and related facilities	67 889	61 025	6 863	4	4	8
Water mains and related facilities	62 312	52 839	9 473	5	6	9
Pipeline, other than sewer or water lines	18 507	14 213	4 294	5	7	7
Sewage treatment and water treatment plants	28 184	26 278	1 906	6	7	4
Sewage treatment plants	18 353	(D)	(D)	3	-	-
Water treatment plants	9 831	(D)	(D)	14	-	-
Heavy industrial facilities	172 393	167 828	4 564	1	1	4
Other nonbuilding construction	35 849	22 035	*13 810	36	14	53
<b>Construction work, n.s.k.</b>	332 561	272 230	60 330	3	3	4
<b>1977</b>						
Total construction receipts†	3 060 011	2 780 991	279 020	1	1	3
<b>Building construction</b>	2 341 593	2 161 050	180 543	1	1	3
Single-family houses	1 337 313	1 245 017	92 296	2	2	5
Apartment buildings with two or more apartments	111 364	101 313	10 051	7	7	6
Other residential buildings	46 702	38 467	8 235	12	14	4
Office and bank buildings	137 468	123 518	13 950	2	2	7
Industrial buildings and warehouses	188 739	173 137	15 602	2	3	4
Stores, restaurants, public garages, and automobile service stations	157 737	141 343	16 394	5	6	6
Religious buildings	37 937	36 022	1 915	5	5	8
Educational buildings	139 961	133 704	6 257	2	2	4
Hospitals and institutional buildings	118 702	108 949	9 753	2	2	3
Amusement, social, and recreational buildings	26 726	25 513	1 213	4	4	6
Other nonresidential buildings	38 944	34 069	4 875	5	5	14
<b>Nonbuilding construction</b>	598 689	515 385	83 504	2	2	5
Highways, streets, and related facilities	279 650	241 945	37 705	2	2	(W)
Outdoor swimming pools	45 980	44 513	1 467	6	6	7
Fencing	28 999	25 487	1 512	7	6	35
Bridges, tunnels, and elevated highways	23 600	22 933	667	2	2	8
Power and communication transmission lines, towers, and related facilities	25 705	8 142	17 563	17	28	20
Sewers, water mains, and related facilities	105 775	99 494	6 281	4	4	8
Heavy industrial facilities	41 837	31 537	10 300	1	1	1
Other nonbuilding construction	49 343	41 334	8 009	10	9	26
<b>Construction work, n.s.k.</b>	119 557	104 570	14 987	6	6	10

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers-----</b>	<b>6 803</b>	<b>50 662</b>	<b>77 278</b>	<b>48 488</b>	<b>18 260</b>	<b>50 722</b>	<b>19 776</b>
<b>15,16, 17</b>	<b>Construction industries:</b>							
<b>15</b>	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses -----	978	4 138	5 860	3 947	1 400	4 036	1 498
1522	Other residential buildings -----	112	694	1 178	731	291	681	277
1531	Operative builders -----	267	1 284	1 993	1 390	520	1 268	515
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	88	594	1 009	595	243	562	249
1542	Nonresidential buildings, n.e.c. -----	331	3 344	4 729	3 652	1 240	3 497	1 243
<b>16</b>	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction -----	136	3 080	5 116	2 693	1 143	3 593	1 524
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	7	107	185	119	48	88	43
1623	Water, sewer, and utility lines -----	116	1 464	2 560	1 155	469	1 458	648
1629	Heavy construction, n.e.c. -----	59	1 908	3 446	1 715	747	1 877	870
<b>17</b>	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning -----	876	5 915	9 968	5 488	2 348	5 829	2 532
1721	Painting, paper hanging, and decorating ----	340	1 432	1 964	1 363	480	1 506	517
1731	Electrical work -----	641	4 877	8 574	4 659	2 031	4 722	2 103
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	325	2 396	3 312	2 212	762	2 411	877
1742	Plastering, drywall, and insulation work ---	358	4 108	5 492	4 403	1 435	4 087	1 353
1743	Terrazzo, tile, marble, and mosaic work ---	111	680	794	652	187	655	204
175	Carpentering and flooring:							
1751	Carpentering -----	382	3 009	3 566	2 446	784	3 009	877
1752	Floor laying and other floorwork -----	113	507	617	453	141	463	148
1761	Roofing and sheet metal work -----	268	2 219	3 110	1 884	646	2 040	756
1771	Concrete work -----	376	3 302	4 746	3 395	1 116	3 311	1 204
1781	Water well drilling -----	44	235	441	264	121	253	111
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	74	962	1 501	939	348	1 043	416
1793	Glass and glazing work -----	57	310	609	311	150	299	146
1794	Excavating and foundation work -----	222	1 528	2 603	1 474	636	1 538	679
1795	Wrecking and demolition work -----	4	(D)	(D)	(D)	(D)	(S)	(D)
1796	Installing building equipment, n.e.c. -----	15	156	296	163	73	155	80
1799	Special trade contractors, n.e.c. -----	379	(D)	(D)	(D)	(D)	(D)	(D)
<b>6552</b>	<b>Subdividers and developers, n.e.c. -----</b>	<b>118</b>	<b>347</b>	<b>539</b>	<b>361</b>	<b>139</b>	<b>343</b>	<b>143</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
51 002	19 915	49 513	19 327	2	2	2	2	2	2	2	2	2	2	15,16, 17
														15
4 443 700	1 579 318	3 836 636	1 382 291	4 8	4 7	4 9	5 10	5 8	5 8	5 9	6 8	5 9	5 9	152 1521 1522
1 279	513	1 122	444	7	4	6	6	8	7	7	6	7	5	1531
585 3 292	258 1 202	592 2 787	258 1 042	12 3	9 3	14 3	11 4	11 3	11 3	11 3	10 4	12 3	11 4	154 1541 1542
														16
3 182	1 320	2 821	1 128	2	2	2	2	1	2	3	3	3	3	1611
														162
116 1 583 1 971	50 719 888	101 1 592 2 041	42 722 939	(W) 4 2	(W) 4 2	(W) 4 2	(W) 5 3	(W) 4 2	(W) 5 2	(W) 4 2	(W) 5 2	(W) 4 1	(W) 5 2	1622 1623 1629
														17
5 987	2 581	5 774	2 507	3	3	3	3	3	3	3	3	3	3	1711
1 418	489	1 323	476	8	9	9	11	8	11	10	12	9	11	1721
4 858	2 177	4 990	2 261	10	10	9	10	9	10	11	13	10	12	1731
														174
2 396 3 946 669	862 1 370 208	2 387 3 837 665	809 1 332 193	8 5 17	9 3 13	8 7 18	10 5 16	9 5 17	12 4 16	8 6 17	11 4 16	8 5 19	8 4 16	1741 1742 1743
3 042 485	877 158	3 386 570	1 026 168	6 17	5 14	7 16	8 19	6 17	6 17	7 15	6 17	7 22	6 18	175 1751 1752
2 352	826	2 463	880	7	7	6	8	8	9	8	8	7	8	1761
3 184	1 194	3 222	1 230	6	5	6	7	6	6	6	6	6	6	1771
230	111	189	97	18	17	18	20	18	22	17	19	19	22	1781
														179
994 286 1 439 (S) 149 (D)	388 146 655 (S) 67 (D)	823 346 1 567 (D) 152 (D)	348 166 631 (D) 74 (D)	9 13 6 (W) -	8 13 5 (W) -	9 13 6 (W) -	7 16 6 (W) -	11 14 6 (W) -	8 16 5 (W) -	7 13 6 (W) -	7 16 6 (W) -	13 12 11 (W) -	15 13 9 (W) -	1791 1793 1794 1795 1796 1799
347	135	333	121	4	5	5	8	4	8	4	7	4	8	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction Industries and subdividers and developers -----</b>	9.5	16.2	1.5	98.7	.209	.326	.284	.016	.014
15,16, 17	<b>Construction Industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	5.5	12.2	1.4	95.9	.165	.289	.357	.011	.012
1522	Other residential buildings -----	8.4	16.9	1.7	259.8	.089	.152	.652	.019	.005
1531	Operative builders -----	12.5	19.6	1.6	497.3	.103	.120	.516	.009	.008
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	9.4	20.7	1.7	214.7	.134	.157	.530	.008	.008
1542	Nonresidential buildings, n.e.c. -----	13.9	19.1	1.4	241.6	.109	.139	.608	.010	.007
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	29.2	19.0	1.7	127.9	.192	.514	.248	.029	.029
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	19.9	23.5	1.7	140.1	.218	(D)	.138	.073	.015
1623	Water, sewer, and utility lines -----	15.0	19.1	1.7	87.1	.261	.379	.129	.029	.044
1629	Heavy construction, n.e.c. -----	36.5	21.9	1.8	117.5	.211	(D)	.103	.010	.005
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	8.8	17.9	1.7	76.4	.307	.434	.074	.017	.013
1721	Painting, paper hanging, and decorating -----	4.9	11.7	1.4	33.0	.410	.284	.034	.028	.014
1731	Electrical work -----	9.2	18.1	1.8	69.8	.314	.473	.027	.016	.016
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	8.3	12.1	1.4	40.2	.339	.422	.035	.013	.016
1742	Plastering, drywall, and insulation work -----	13.0	14.1	1.3	46.0	.348	.409	.044	.014	.019
1743	Terrazzo, tile, marble, and mosaic work -----	7.3	10.0	1.2	37.8	.313	.444	.013	.017	.011
175	Carpentering and flooring:									
1751	Carpentering -----	9.0	12.0	1.2	43.9	.312	.481	.052	.019	.010
1752	Floor laying and other floorwork -----	5.6	12.7	1.2	64.5	.247	.505	.063	.012	.019
1761	Roofing and sheet metal work -----	10.2	13.7	1.4	61.9	.273	.447	.054	.028	.014
1771	Concrete work -----	10.0	14.3	1.4	59.8	.271	.451	.057	.018	.018
1781	Water well drilling -----	6.2	15.7	1.9	80.3	.228	.401	.022	.034	.017
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	15.3	21.6	1.6	68.1	.374	.338	.059	.013	.018
1793	Glass and glazing work -----	7.8	15.0	2.0	80.4	.268	.572	.008	.010	.016
1794	Excavating and foundation work -----	8.0	17.1	1.7	87.4	.229	.313	.094	.036	.043
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	12.9	29.4	1.9	96.7	.379	.314	.028	.043	.003
1799	Special trade contractors, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	<b>Subdividers and developers, n.e.c. -----</b>	8.5	14.4	1.6	139.3	.301	.234	.311	.041	.013

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>PHOENIX SMSA</b>											
	Construction industries and subdividers and developers	4 088	42 806	726 953	3 470 255	2 437 934	1 490 333	1 029 266	1 032 321	56 330	2	1
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses -----	521	3 181	42 932	(D)	(D)	94 365	75 953	(D)	3 566	4	-
1522	Other residential buildings -----	63	658	11 677	116 136	40 467	26 717	17 481	75 669	(D)	11	11
1531	Operative builders -----	161	2 554	52 473	517 977	246 736	208 848	53 414	271 241	4 482	4	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses -----	48	577	12 391	100 648	43 564	30 500	13 605	57 084	776	16	7
1542	Nonresidential buildings, n.e.c. -----	208	3 121	67 144	617 247	240 043	164 015	80 357	377 204	6 259	3	2
16	Heavy construction general contractors:											
1611	Highway and street construction -----	93	2 101	35 755	180 025	147 308	75 431	78 097	32 718	4 787	3	3
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction -----	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1623	Water, sewer, and utility lines -----	73	1 131	22 394	84 103	72 162	43 633	29 720	11 941	2 745	5	4
1629	Heavy construction, n.e.c. -----	36	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	7	-
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning -----	514	5 318	100 000	320 205	298 270	162 694	140 093	21 936	(D)	4	3
1721	Painting, paper hanging, and decorating -----	205	1 072	12 936	31 661	30 337	21 808	9 265	1 324	831	9	10
1731	Electrical work -----	415	4 461	81 328	265 365	258 153	134 390	125 780	7 212	4 727	10	3
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework -----	187	1 735	24 200	72 780	70 093	40 290	(D)	2 687	911	6	5
1742	Plastering, drywall, and insulation work -----	221	3 236	48 229	132 344	126 286	76 320	54 683	6 058	1 817	5	4
1743	Terrazzo, tile, marble, and mosaic work -----	83	658	6 478	20 772	20 458	12 009	(D)	314	313	21	13
175	Carpentering and flooring:											
1751	Carpentering -----	211	2 296	31 188	98 730	94 109	47 521	47 180	4 621	1 393	8	5
1752	Floor laying and other floorwork -----	77	400	6 157	22 527	21 577	11 289	11 154	950	381	16	13
1761	Roofing and sheet metal work -----	168	1 835	26 979	102 485	95 862	51 190	46 699	6 623	2 293	8	5
1771	Concrete work -----	241	2 501	38 634	143 585	135 955	72 694	64 413	7 630	2 567	7	5
1781	Water well drilling -----	14	162	(D)	11 838	11 462	7 204	4 258	377	(D)	16	12
179	Miscellaneous special trade contractors:											
1791	Structural steel erection -----	60	897	19 861	52 654	49 448	32 507	17 813	3 207	745	11	6
1793	Glass and glazing work -----	32	288	4 343	18 228	18 040	8 330	10 021	(D)	(D)	11	14
1794	Excavating and foundation work -----	124	1 238	22 009	96 827	86 384	65 583	32 254	10 444	1 869	7	4
1795	Wrecking and demolition work -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1796	Installing building equipment, n.e.c. -----	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-
1799	Special trade contractors, n.e.c. -----	234	1 843	26 280	99 367	83 737	45 914	47 030	15 630	1 260	8	8
6552	Subdividers and developers, n.e.c. -----	81	573	8 750	31 304	20 077	16 131	7 363	11 227	1 736	6	10



# Colorado

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# SUMMARY OF FINDINGS

During 1982, 30,986 establishments in Colorado operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$9.5 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 21,533 establishments in this State with no payroll accounted for about 11 percent of all business receipts for all construction establishments in Colorado. On the other hand, 9,453 establishments classified as "employers" accounted for 89 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$8.5 billion, of which \$8.2 billion were receipts for construction work. These establishments paid \$2.3 billion for construction work subcontracted to others, leaving net construction receipts of about \$5.9 billion. Value added for these establishments amounted to \$3.5 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Colorado paid \$2.5 billion for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$134 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Colorado was 93.3 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 26.7 million hours, while hours worked during the third quarter were 31.8 million hours.

Total payroll for 1982 was \$1.7 billion. Payments of \$313 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Colorado are based on a sample of about 4,025 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	<b>1982</b>													
	Construction industries and subdividers and developers.....	30 986	24 900	93 279	9 474 653	21 533	21 558	998 290	9 453	3 342	93 279	8 476 363	1	1
15,16, 17	Construction Industries <sup>1</sup> .....	30 267	24 210	91 850	9 152 490	20 991	20 907	833 688	9 276	3 303	91 850	8 318 802	1	1
15	General building contractors and operative builders .....	8 105	6 059	24 736	4 075 507	5 427	5 305	342 738	2 678	754	24 736	3 732 769	2	1
16	Heavy construction, general contractors ..	1 222	805	15 669	1 655 199	701	691	31 205	521	114	15 669	1 623 994	1	1
17	Special trade contractors .....	20 940	17 346	51 445	3 421 784	14 863	14 911	459 745	6 077	2 435	51 445	2 962 039	1	1
1711	Plumbing, heating, and air conditioning....	2 191	1 427	9 633	768 830	1 048	1 051	47 173	1 143	376	9 633	721 657	2	2
1731	Electrical work .....	1 485	956	8 929	699 802	730	724	29 944	755	232	8 929	669 858	2	1
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	712	686	1 422	322 156	542	651	164 602	170	35	1 422	157 554	6	5
	<b>1977</b>													
	Construction industries and subdividers and developers.....	21 669	18 418	74 493	4 670 461	13 160	13 482	348 047	8 509	4 936	74 493	4 322 414	1	1
15,16, 17	Construction Industries <sup>1</sup> .....	21 254	17 959	73 658	4 530 831	12 856	13 047	294 851	8 398	4 912	73 658	4 235 980	1	1
15	General building contractors and operative builders .....	5 832	4 782	21 502	2 111 016	3 044	3 041	134 863	2 788	1 741	21 502	1 976 153	2	1
16	Heavy construction, general contractors ..	1 059	763	15 278	933 293	571	576	29 940	488	187	15 278	903 353	1	1
17	Special trade contractors .....	14 363	12 414	36 878	1 486 522	9 241	9 430	130 048	5 122	2 984	36 878	1 356 474	2	1
1711	Plumbing, heating, and air conditioning....	1 479	974	6 966	332 727	628	647	14 912	851	327	6 966	317 815	3	2
1731	Electrical work .....	1 020	710	6 160	281 913	423	432	12 136	597	278	6 160	269 777	3	3
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	422	459	837	139 636	304	435	53 196	118	24	837	86 440	16	16

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size  
Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State</b> -----	<b>30 986</b>	<b>24 900</b>	<b>93 279</b>	<b>9 474 653</b>	<b>21 533</b>	<b>21 558</b>	<b>998 290</b>	<b>9 453</b>	<b>3 342</b>	<b>93 279</b>	<b>8 476 363</b>	<b>1</b>	<b>1</b>
\$10,000,000 or more -----	115	8	22 370	4 131 561	4	4	118 447	111	4	22 370	4 013 114	(W)	(W)
\$5,000,000 to \$9,999,999 -----	127	14	8 401	887 470	7	8	46 476	120	6	8 401	840 994	(W)	(W)
\$2,500,000 to \$4,999,999 -----	251	17	9 502	879 373	10	8	35 386	241	9	9 502	843 987	(W)	(W)
\$1,000,000 to \$2,499,999 -----	725	83	15 386	1 145 139	46	44	70 467	679	39	15 386	1 074 672	2	3
\$500,000 to \$999,999 -----	1 098	290	11 168	779 476	138	142	94 685	960	148	11 168	684 791	4	4
\$250,000 to \$499,999 -----	1 581	591	9 175	552 741	305	295	102 491	1 276	296	9 175	450 250	5	4
\$100,000 to \$249,999 -----	3 811	2 451	10 864	606 666	1 232	1 277	185 567	2 579	1 174	10 864	421 099	5	3
\$50,000 to \$99,999 -----	3 176	2 598	3 360	226 613	1 805	1 844	125 906	1 371	754	3 360	100 707	6	4
\$25,000 to \$49,999 -----	3 852	3 362	1 616	135 215	2 927	2 928	102 247	925	434	1 616	32 968	6	6
Less than \$25,000 -----	16 249	15 484	1 436	130 398	15 059	15 008	116 618	1 190	476	1 436	13 780	6	6
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 986	4 981	79 082	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	3 505	3 481	23 768	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	3 864	3 846	11 064	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	2 704	2 700	2 704	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State</b> -----	<b>21 669</b>	<b>18 418</b>	<b>74 493</b>	<b>4 670 461</b>	<b>13 160</b>	<b>13 482</b>	<b>348 047</b>	<b>8 509</b>	<b>4 936</b>	<b>74 493</b>	<b>4 322 414</b>	<b>1</b>	<b>1</b>
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> -----	106	13	19 813	(D)	2	2	(D)	104	11	19 813	1 871 598	1	1
\$2,500,000 to \$4,999,999 -----	159	32	6 918	2 428 570	4	6	31 322	155	26	6 918	525 650	1	1
\$1,000,000 to \$2,499,999 -----	445	72	11 218	669 609	16	18	24 679	429	54	11 218	644 930	1	3
\$500,000 to \$999,999 -----	626	212	7 798	436 642	71	76	46 573	555	136	7 798	390 069	4	5
\$250,000 to \$499,999 -----	1 174	514	9 688	407 884	90	94	31 799	1 084	420	9 688	376 085	4	4
\$100,000 to \$249,999 -----	2 447	1 701	10 628	391 735	340	363	51 943	2 107	1 338	10 628	339 792	4	4
\$50,000 to \$99,999 -----	2 237	1 918	4 566	156 554	621	684	42 369	1 616	1 234	4 566	114 185	7	6
\$25,000 to \$49,999 -----	2 426	2 153	2 092	85 273	1 261	1 338	43 066	1 165	815	2 092	42 207	10	9
Less than \$25,000 -----	12 048	11 805	(S)	94 196	10 755	10 901	76 296	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	4 086	3 943	1 313	64 129	3 192	3 292	48 614	894	651	1 313	15 515	12	11
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 622	2 645	17 731	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	2 934	2 952	8 471	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	2 007	2 012	1 480	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdividers and developers -----	9 453	93 279	75 186	1 722 473	1 321 896	117 331	8 158 522	5 873 743
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	1 529	7 722	6 369	96 522	72 406	8 513	516 800	341 913
1522	Other residential buildings -----	179	1 612	1 265	24 812	16 922	1 810	161 744	83 231
1531	Operative builders -----	413	3 391	1 700	72 277	26 784	2 567	1789 050	460 258
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	122	2 591	1 950	59 072	41 419	3 607	467 452	226 572
1542	Nonresidential buildings, n.e.c. -----	435	9 420	7 140	202 070	148 284	11 827	1 693 334	714 354
16	Heavy construction general contractors:								
1611	Highway and street construction -----	169	4 742	3 999	99 803	80 783	7 047	402 578	341 950
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	20	814	675	16 827	12 508	1 345	77 116	52 673
1623	Water, sewer, and utility lines -----	204	4 351	3 741	76 873	63 454	6 439	247 420	224 411
1629	Heavy construction, n.e.c. -----	128	5 762	4 722	170 620	143 442	8 380	857 485	734 156
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	1 143	9 633	7 576	191 375	148 082	12 583	648 347	551 185
1721	Painting, paper hanging, and decorating -----	500	2 820	2 546	37 920	33 000	3 588	87 320	83 215
1731	Electrical work -----	755	8 929	7 184	201 100	163 456	12 782	666 409	651 989
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	379	2 642	2 443	35 858	32 526	3 150	97 425	93 960
1742	Plastering, drywall, and insulation work -----	332	5 305	4 745	82 636	70 488	5 878	204 858	193 219
1743	Terrazzo, tile, marble, and mosaic work -----	32	298	259	6 347	5 313	412	18 504	18 248
175	Carpentering and flooring:								
1751	Carpentering -----	732	3 270	2 868	35 376	30 212	3 781	119 139	104 375
1752	Floor laying and other floorwork -----	153	825	657	13 429	10 641	968	44 431	41 041
1761	Roofing and sheet metal work -----	373	3 508	2 977	52 511	39 734	4 009	180 268	171 265
1771	Concrete work -----	589	5 589	4 873	75 442	59 431	6 758	267 715	250 554
1781	Water well drilling -----	63	353	284	5 653	4 421	553	22 265	21 871
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	64	811	693	16 279	13 353	1 158	44 206	41 484
1793	Glass and glazing work -----	85	914	693	16 827	12 676	1 033	63 580	62 949
1794	Excavating and foundation work -----	522	3 919	3 387	63 611	50 705	5 185	222 599	202 463
1795	Wrecking and demolition work -----	6	8	8	102	102	14	521	480
1796	Installing building equipment, n.e.c. -----	48	839	664	21 815	17 540	1 150	68 328	67 265
1799	Special trade contractors, n.e.c. -----	301	1 782	1 433	26 958	20 024	2 261	89 364	84 291
6552	Subdividers and developers, n.e.c. -----	170	1 422	327	20 352	4 181	519	1100 255	54 363

†Land receipts for SIC 1531 were \$73,090; for SIC 6552 were \$50,707.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
3 481 803	2 585 984	2 284 778	113 516	123 719	1 193 834	74 493	4 082 458	1 858 813	1	1	2	15,16, 17
												15
208 235	147 988	174 887	5 395	7 026	54 121	7 083	326 075	123 621	4	4	6	152
45 843	38 714	78 513	1 371	1 594	7 927	1 375	80 062	19 651	7	8	1	1521
												1522
270 597	194 144	328 792	5 054	6 473	92 496	4 151	635 166	166 200	6	2	4	1531
												154
85 534	143 538	240 879	2 197	3 497	44 231	2 297	168 119	63 487	3	2	5	1541
420 423	302 610	978 979	10 945	9 511	77 586	6 596	672 742	199 598	1	1	1	1542
												16
207 518	150 304	60 628	15 044	21 727	211 242	3 988	236 418	141 722	1	1	1	1611
												162
23 943	31 617	24 443	1 503	1 590	21 531	624	34 359	16 018	2	2	5	1622
153 118	73 763	23 008	12 765	12 008	96 705	2 834	142 725	80 427	2	3	4	1623
392 561	359 760	123 329	14 376	5 470	50 794	7 832	403 461	267 123	2	(W)	1	1629
												17
364 504	259 990	97 162	8 071	7 802	76 190	6 966	315 302	155 978	2	2	3	1711
61 244	22 119	4 105	1 016	1 148	10 763	1 961	49 580	36 058	6	6	13	1721
351 632	303 806	14 420	6 889	8 162	66 721	6 160	266 900	152 188	2	1	4	1731
												174
57 360	37 592	3 464	957	3 155	16 346	2 361	58 783	34 924	7	7	10	1741
113 343	85 018	11 638	2 480	2 708	15 930	3 440	107 296	64 287	3	3	5	1742
7 847	10 584	255	131	211	1 248	148	5 580	3 409	12	9	(W)	1743
												175
62 728	43 795	14 763	1 646	2 024	14 877	2 345	58 400	34 213	6	7	10	1751
20 986	21 524	3 390	520	847	4 080	658	26 900	12 843	10	9	11	1752
95 353	82 501	9 003	2 338	3 358	21 438	2 465	90 452	45 635	6	5	8	1761
160 349	92 638	17 160	3 195	6 673	52 059	3 216	95 343	51 476	5	3	4	1771
13 213	8 675	394	139	821	15 484	594	30 321	17 329	15	14	14	1781
												179
30 987	11 300	2 722	1 534	764	7 753	555	21 852	14 703	9	6	5	1791
34 011	34 136	*631	677	747	4 584	415	14 575	9 842	9	6	9	1793
160 068	53 715	20 135	12 543	11 990	156 095	2 940	103 256	76 165	6	4	4	1794
442	(D)	41	(D)	(D)	172	35	570	516	(W)	(W)	-	1795
42 924	24 608	1 063	527	502	3 695	462	23 862	16 654	4	3	2	1796
51 773	(D)	5 073	(D)	(D)	17 432	2 157	64 354	40 863	6	6	-	1799
45 256	15 697	45 892	884	2 266	52 324	837	50 011	*13 888	6	7	5	6552

# Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	9 453	8 509	7 499	4 954	1	3	3	3
Number of establishments in business at end of year .....	9 087	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Proprietors and working partners .....	3 342	4 936	4 727	3 753	4	5	5	6
All employees** .....	93 279	74 493	75 921	41 968	1	1	2	2
Construction workers:								
March .....	69 969	53 451	55 749	27 100	1	1	2	2
May .....	74 916	61 252	59 845	34 543	1	1	2	2
August .....	80 147	65 647	70 217	41 280	1	1	2	2
November .....	71 698	62 779	63 885	37 686	1	1	2	2
Average .....	75 186	60 828	63 037	35 598	1	1	2	2
Other employees:								
March .....	17 988	13 241	11 607	6 019	1	1	2	2
Construction worker hours (thousands):								
January to March .....	26 747	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June .....	29 915	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September .....	31 777	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
October to December .....	28 890	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Total hours worked .....	117 331	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Payroll, all employees .....	1 722 473	959 258	700 310	286 322	1	1	2	2
Payroll, construction workers .....	1 321 896	740 876	566 130	231 065	1	1	2	2
Payroll, other employees .....	400 577	218 381	134 180	55 237	1	1	2	2
First quarter payroll, all employees .....	390 588	196 773	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits .....	313 348	163 751	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures .....	230 924	92 914	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures .....	82 424	70 837	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts .....	8 476 363	4 322 414	2 852 411	1 157 550	1	1	2	2
Total construction receipts .....	8 158 522	4 082 458	2 680 343	1 094 707	1	1	2	2
Receipts for work subcontracted in from others .....	1 852 754	1 007 565	621 537	230 944	1	1	3	3
Land receipts <sup>1</sup> .....	123 797	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Other business receipts .....	194 044	239 956	172 068	62 923	2	2	7	3
Net construction receipts† .....	5 873 743	3 046 056	1 899 829	814 026	1	1	2	2
Value added†† .....	3 481 803	1 858 813	1 174 431	525 287	1	1	2	2
Selected payments .....	4 870 762	2 358 571	1 575 140	619 979	1	1	2	2
Materials, components, and supplies <sup>2</sup> .....	2 451 674	1 260 399	794 626	339 216	1	1	3	2
Construction work subcontracted to others .....	2 284 778	1 036 402	780 514	280 726	1	2	3	3
Selected power, fuels, and lubricants .....	134 309	61 770	(NA)	(NA)	1	1	(NA)	(NA)
Electricity .....	16 802	6 543	(NA)	(NA)	2	2	(NA)	(NA)
Natural gas .....	9 087	4 638	(NA)	(NA)	2	5	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	99 649	42 315	(NA)	(NA)	1	1	(NA)	(NA)
Other, including lubricating oils and greases .....	8 770	8 274	(NA)	(NA)	3	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	2 430	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	113 516	52 864	(NA)	(NA)	2	1	(NA)	(NA)
For machinery and equipment .....	82 501	41 823	37 639	13 636	2	2	3	2
For structures .....	31 014	11 041	(NA)	(NA)	2	2	(NA)	(NA)
Selected purchased services .....	114 697	75 174	(NA)	(NA)	1	1	(NA)	(NA)
Communication services .....	26 064	15 569	(NA)	(NA)	2	2	(NA)	(NA)
Repairs to structures and related facilities .....	5 693	3 761	(NA)	(NA)	4	4	(NA)	(NA)
Repairs to machinery and equipment .....	82 939	55 844	(NA)	(NA)	1	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	8 158 522	4 082 458	2 680 343	1 094 707	1	1	2	2
Government owned .....	1 328 860	766 470	680 440	438 314	2	1	3	2
Privately owned .....	6 829 662	3 315 988	1 999 903	656 393	1	1	2	3

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
<b>STRUCTURES, MACHINERY, AND EQUIPMENT</b>								
Beginning-of-year gross book value of depreciable assets -----	1 127 936	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	123 719	109 529	91 879	27 397	2	3	4	3
New -----	86 572	75 737	75 837	20 114	2	3	4	3
Used -----	37 147	33 793	16 042	7 283	3	4	6	4
Retirements and disposition of depreciable assets -----	57 822	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	1 193 834	657 019	377 078	(NA)	1	1	4	(NA)
Depreciation charges during year -----	148 284	67 748	42 792	(NA)	2	1	4	(NA)
<b>Structures, Additions, and Related Facilities</b>								
Beginning-of-year gross book value of depreciable assets -----	209 064	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	14 730	17 983	18 521	4 197	4	7	13	9
New structures and related facilities -----	12 082	12 844	16 416	2 480	4	10	9	11
Used structures and related facilities -----	2 647	5 139	2 105	1 717	21	5	18	8
Retirements and disposition of depreciable assets -----	13 336	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	210 458	129 988	84 733	(NA)	2	3	5	(NA)
Depreciation charges during year -----	18 220	5 823	5 539	(NA)	4	3	16	(NA)
<b>Machinery and Equipment</b>								
Beginning-of-year gross book value of depreciable assets -----	918 872	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	108 989	91 545	73 358	23 200	2	4	5	3
New machinery and equipment, including automobiles and trucks -----	74 489	62 892	59 421	17 634	2	3	4	3
New automobiles and trucks, intended primarily for highway use -----	26 518	21 584	(NA)	(NA)	3	6	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	34 500	28 653	13 937	5 566	3	5	7	4
Retirements and disposition of depreciable assets -----	44 485	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	983 375	527 032	292 345	(NA)	1	1	4	(NA)
Depreciation charges during year -----	130 063	61 925	37 253	(NA)	2	2	4	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	9 453	1
Total construction receipts .....	8 158 522	1
<b>Establishments with inventories:</b>		
Number .....	2 870	5
Total construction receipts .....	3 170 895	1
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	213 331	4
Value for establishments with LIFO reserve .....	2 839	7
Amount of LIFO reserve .....	738	19
Value for establishments with no LIFO reserve .....	210 492	4
End of 1981, total .....	154 552	5
Value for establishments with LIFO reserve .....	3 431	7
Amount of LIFO reserve .....	1 099	16
Value for establishments with no LIFO reserve .....	151 121	5
<b>Establishments with no inventories:</b>		
Number .....	6 583	2
Total construction receipts .....	4 987 627	1

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—									1,000 employees or more
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees		
<b>1982</b>											
Number of establishments -----	9 453	5 594	1 843	1 123	623	167	70	23	8	-	
All employees** -----	93 279	11 619	12 022	14 963	18 776	11 439	10 835	7 707	5 917	-	
Payroll, all employees -----	1 722 473	125 225	164 611	239 257	352 769	241 355	250 800	180 766	167 690	-	
Construction worker hours (thousands) -----	117 331	13 081	13 609	17 418	23 567	14 949	15 203	10 147	9 354	-	
All business receipts -----	8 476 363	650 805	731 917	960 386	1 540 649	1 063 391	3 529 215	(D)	(D)	-	
Total construction receipts -----	8 158 522	623 133	699 965	920 548	1 483 065	1 031 983	1 275 660	895 279	1 228 889	-	
Net construction receipts† -----	5 873 743	511 830	557 118	727 015	1 094 783	736 053	851 556	511 454	883 933	-	
Value added†† -----	3 481 803	305 728	337 814	449 397	670 963	415 899	532 006	289 502	480 493	-	
Payments for materials, components, supplies, and fuels -----	2 585 984	217 731	238 341	294 274	456 455	336 521	342 660	700 001	(D)	-	
Payments for construction work subcontracted to others -----	2 284 778	111 302	142 847	193 532	388 281	295 930	424 104	383 825	344 956	-	
Rental payments for machinery, equipment, end structures -----	113 516	7 944	11 157	16 627	26 676	16 424	14 042	20 644	(D)	-	
Capital expenditures, other than land -----	123 719	12 528	13 674	17 602	27 170	16 709	16 809	17 565	1 661	-	
End-of-year gross book value of depreciable assets -----	1 193 834	154 729	136 693	186 489	236 510	141 575	146 851	166 908	24 078	-	
<b>1977</b>											
All employees** -----	74 493	10 179	11 326	12 495	14 732	7 627	4 715	13 419	(D)	(D)	
Total construction receipts -----	4 082 458	430 721	475 195	547 268	825 415	491 331	434 345	878 184	(D)	(D)	
Value added†† -----	1 858 813	182 952	212 228	248 935	355 747	225 946	153 393	479 612	(D)	(D)	
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** -----	1	3	4	4	2	(W)	(W)	(W)	(W)	-	
Net construction receipts† -----	1	3	4	3	1	(W)	(W)	(W)	(W)	-	
Capital expenditures, other than land -----	2	8	10	6	2	(W)	(W)	(W)	(W)	-	

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments .....	9 453	1 190	925	1 371	2 579	1 276	960	679	241	120	111
All employees** .....	93 279	1 436	1 616	3 360	10 864	9 175	11 168	15 386	9 502	8 401	22 370
Payroll, all employees .....	1 722 473	4 008	9 365	28 363	116 046	127 866	176 375	278 501	203 229	193 550	585 168
Construction worker hours (thousands) .....	117 331	1 226	1 459	3 525	11 712	10 811	13 390	18 968	12 292	11 592	32 350
All business receipts .....	8 476 363	13 780	32 968	100 707	421 099	450 250	684 791	1 074 672	843 987	840 994	4 013 114
Total construction receipts .....	8 158 522	13 490	32 282	98 090	411 034	435 609	658 982	1 030 097	814 912	801 549	3 862 476
Net construction receipts† .....	5 873 743	11 462	28 988	87 340	365 448	381 762	540 859	830 296	641 660	583 300	2 402 627
Value added†† .....	3 481 803	7 114	17 887	54 818	223 595	229 721	336 102	483 479	393 663	360 581	1 374 841
Payments for materials, components, supplies, and fuels .....	2 585 984	4 497	11 448	34 343	148 207	160 619	220 884	371 763	263 656	240 867	1 129 695
Payments for construction work subcontracted to others .....	2 284 778	2 027	3 294	10 750	45 586	53 847	118 123	199 800	173 252	218 249	1 459 849
Rental payments for machinery, equipment, end structures .....	113 516	406	413	1 518	6 037	8 177	13 027	19 143	14 229	15 321	35 242
Capital expenditures, other than land .....	123 719	126	686	2 245	9 547	8 733	14 764	21 685	14 826	16 245	34 859
End-of-year gross book value of depreciable assets .....	1 193 834	4 664	9 158	28 501	99 353	104 038	142 468	196 462	136 895	134 852	337 442
<b>1977</b>											
All employees** .....	74 493	(S)	2 092	4 566	10 628	9 688	7 798	11 218	6 918	119 813	(NA)
Total construction receipts .....	4 082 458	(S)	41 568	112 229	331 522	364 076	369 004	619 352	495 527	1 731 621	(NA)
Value added†† .....	1 858 813	(S)	21 532	62 163	172 660	179 999	169 054	287 143	207 249	1 749 136	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	1	6	6	6	5	5	4	2	(W)	(W)	(W)
Net construction receipts† .....	1	6	6	5	4	5	4	2	(W)	(W)	(W)
Capital expenditures, other than land .....	2	25	21	14	9	11	10	4	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b>	<b>8 158 522</b>	<b>7 209 092</b>	<b>949 429</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Building construction</b>	<b>5 778 474</b>	<b>5 214 487</b>	<b>563 987</b>	<b>1</b>	<b>1</b>	<b>1</b>
Single-family houses	1 942 867	1 757 329	185 538	1	2	3
Single-family houses, detached	1 478 522	1 321 327	157 195	2	2	3
Single-family houses, attached	464 344	436 001	28 343	2	2	8
Apartment buildings with two or more apartments	302 278	261 891	40 387	3	3	8
Other residential buildings	169 032	148 262	20 770	3	3	10
Office and bank buildings	1 673 253	1 570 370	102 882	1	1	2
Office buildings	1 517 451	1 427 901	89 549	1	1	2
Bank buildings and other financial institutions	155 801	142 468	13 332	2	2	3
Farm buildings	18 853	15 755	3 098	12	13	14
Industrial buildings and warehouses	797 954	718 361	79 592	1	1	3
Industrial buildings	648 028	582 604	65 424	1	1	3
Warehouses	149 925	135 756	14 168	2	2	5
Stores, restaurants, public garages, and automobile service stations	441 203	379 411	61 791	2	3	4
Religious buildings	33 331	26 775	6 555	8	11	4
Educational buildings	174 199	149 099	25 099	2	2	3
Hospitals and institutional buildings	140 245	120 260	19 984	2	2	4
Amusement, social, and recreational buildings	41 782	37 007	4 775	6	5	18
Other nonresidential buildings	43 473	29 961	13 512	2	3	2
<b>Nonbuilding construction</b>	<b>1 801 669</b>	<b>1 524 474</b>	<b>277 195</b>	<b>1</b>	<b>1</b>	<b>1</b>
Highways, streets, and related facilities	474 827	387 633	87 194	1	1	2
Bridges, tunnels, and elevated highways	73 871	60 613	13 257	2	2	3
Bridges and elevated highways	71 204	57 947	13 257	2	2	3
Bridges	67 182	54 482	12 699	3	3	4
Elevated highways	4 022	3 464	557	5	3	18
Tunnels	2 666	2 666	-	(W)	(W)	-
Dam and reservoir construction	18 915	(D)	(D)	2	-	-
Conservation and development construction	17 579	14 196	3 383	10	10	13
Power and communication transmission lines, towers, and related facilities	115 381	100 853	14 527	5	5	14
Sewers, water mains, and related facilities	173 006	153 762	19 243	4	4	9
Sewers, sewer lines, and related facilities	94 562	87 170	7 391	7	6	14
Water mains and related facilities	78 443	66 591	11 851	4	5	8
Pipeline, other than sewer or water lines	50 590	41 587	9 003	2	2	4
Sewage treatment and water treatment plants	60 921	56 287	4 634	2	2	6
Sewage treatment plants	29 334	26 916	2 417	3	3	8
Water treatment plants	31 587	29 370	2 216	3	3	8
Heavy industrial facilities	689 135	(D)	(D)	(W)	-	-
Blast furnaces, petroleum refineries, and chemical complexes	504 730	(D)	(D)	(W)	-	-
Power plants	184 405	(D)	(D)	1	-	-
Power plants, nuclear	42 574	(D)	(D)	2	-	-
Power plants, except nuclear	141 831	138 336	3 494	1	1	1
Oilfields	20 792	11 851	8 940	7	3	16
Other nonbuilding construction	106 640	89 073	17 567	3	3	7
<b>Construction work, n.s.k.</b>	<b>578 378</b>	<b>470 131</b>	<b>108 246</b>	<b>2</b>	<b>2</b>	<b>3</b>
<b>1977</b>						
<b>Total construction receipts†</b>	<b>4 082 458</b>	<b>3 613 739</b>	<b>468 719</b>	<b>1</b>	<b>1</b>	<b>3</b>
<b>Building construction</b>	<b>2 765 291</b>	<b>2 400 276</b>	<b>365 015</b>	<b>1</b>	<b>1</b>	<b>3</b>
Single-family houses	1 269 516	1 138 538	130 978	2	2	6
Apartment buildings with two or more apartments	195 452	142 785	52 667	3	4	3
Other residential buildings	49 705	34 462	15 243	3	2	9
Office and bank buildings	305 503	261 823	43 680	2	2	4
Industrial buildings and warehouses	385 080	338 663	46 417	2	2	4
Stores, restaurants, public garages, and automobile service stations	182 077	151 661	30 416	5	3	20
Religious buildings	42 839	38 766	4 073	3	3	5
Educational buildings	162 412	147 172	15 240	1	1	7
Hospitals and institutional buildings	106 830	93 755	13 075	2	2	2
Amusement, social, and recreational buildings	32 646	29 531	3 115	4	4	15
Other nonresidential buildings	33 233	23 120	10 113	9	11	9
<b>Nonbuilding construction</b>	<b>1 032 037</b>	<b>944 371</b>	<b>87 666</b>	<b>1</b>	<b>1</b>	<b>3</b>
Highways, streets, and related facilities	272 075	247 757	24 318	1	1	5
Bridges, tunnels, and elevated highways	28 901	25 049	3 852	3	(W)	25
Power and communication transmission lines, towers, and related facilities	56 848	44 641	12 207	4	5	1
Sewers, water mains, and related facilities	147 614	136 599	11 015	4	3	11
Sewage treatment and water treatment plants	38 664	35 928	2 736	3	2	28
Power plants	214 006	211 981	2 025	(W)	(W)	(W)
Other nonbuilding construction	273 929	242 416	31 513	4	4	7
<b>Construction work, n.s.k.</b>	<b>285 170</b>	<b>268 048</b>	<b>17 122</b>	<b>3</b>	<b>3</b>	<b>4</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction Industries and subdividers and developers-----</b>	<b>9 453</b>	<b>75 186</b>	<b>117 331</b>	<b>69 969</b>	<b>26 747</b>	<b>74 916</b>	<b>29 915</b>
15,16, 17	<b>Construction Industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses-----	1 529	6 369	8 513	5 877	1 941	6 399	2 221
1522	Other residential buildings-----	179	1 266	1 810	1 335	480	1 204	428
1531	Operative builders-----	413	1 700	2 567	1 691	632	1 623	661
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses-----	122	1 950	3 607	1 920	898	1 827	859
1542	Nonresidential buildings, n.e.c.-----	435	7 140	11 827	7 124	2 936	7 510	3 198
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction-----	169	3 999	7 047	2 792	1 129	4 217	1 845
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction-----	20	675	1 345	575	250	672	337
1623	Water, sewer, and utility lines-----	204	3 741	6 439	3 255	1 341	3 569	1 553
1629	Heavy construction, n.e.c.-----	128	4 722	8 380	5 891	2 457	5 488	2 300
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning-----	1 143	7 576	12 583	7 071	2 891	7 224	3 095
1721	Painting, paper hanging, and decorating-----	500	2 546	3 588	2 283	780	2 594	938
1731	Electrical work-----	755	7 184	12 782	6 940	3 048	7 149	3 208
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework-----	379	2 443	3 150	2 055	634	2 483	820
1742	Plastering, drywall, and insulation work-----	332	4 745	5 878	3 988	1 367	3 851	1 311
1743	Terrazzo, tile, marble, and mosaic work-----	32	259	412	208	80	233	94
175	Carpentering and flooring:							
1751	Carpentering-----	732	2 868	3 781	2 492	833	2 872	970
1752	Floor laying and other floorwork-----	153	657	968	586	201	633	244
1761	Roofing and sheet metal work-----	373	2 977	4 009	2 816	880	2 563	895
1771	Concrete work-----	589	4 873	6 758	4 008	1 285	5 288	1 849
1781	Water well drilling-----	63	284	553	315	131	322	163
179	Miscellaneous special trade contractors:							
1791	Structural steel erection-----	64	693	1 158	735	274	713	313
1793	Glass and glazing work-----	85	693	1 033	594	226	632	238
1794	Excavating and foundation work-----	522	3 387	5 185	3 089	1 127	3 400	1 334
1795	Wrecking and demolition work-----	6	8	14	9	3	9	4
1796	Installing building equipment, n.e.c.-----	48	664	1 150	654	254	622	285
1799	Special trade contractors, n.e.c.-----	301	1 433	2 261	1 353	538	1 503	614
6552	<b>Subdividers and developers, n.e.c.-----</b>	<b>170</b>	<b>327</b>	<b>519</b>	<b>305</b>	<b>118</b>	<b>309</b>	<b>123</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
80 147	31 777	71 698	28 890	1	1	1	1	1	1	1	1	1	1	15,18, 17
														15
6 393 1 233	2 272 432	5 993 1 285	2 078 469	4 7	4 6	4 7	5 7	7 7	9 8	5 8	5 8	5 7	6 7	152 1521 1522
1 693	629	1 627	644	5	4	5	6	5	6	6	6	5	6	1531
2 169 7 277	995 3 037	1 850 6 482	854 2 654	3 1	3 1	3 1	3 1	3 1	3 1	3 2	3 1	4 1	4 2	154 1541 1542
														18
5 107	2 305	3 855	1 766	1	1	1	2	1	1	1	1	2	1	1611
														162
709 4 073 4 159	367 1 823 2 109	737 3 988 3 297	389 1 721 1 512	2 2 3	1 2 1	3 3 4	3 4 1	3 3 1	2 3 1	2 2 3	1 3 1	2 2 3	1 2 2	1622 1623 1629
														17
7 766	3 356	7 659	3 239	3	2	2	3	3	3	3	3	3	3	1711
2 757	1 003	2 385	866	7	7	7	8	7	8	8	9	7	8	1721
7 236	3 267	7 122	3 258	2	2	2	2	2	2	2	2	2	2	1731
														174
2 639 6 822 302	889 1 695 119	2 512 4 165 271	805 1 504 117	7 4 13	7 3 10	6 4 12	8 5 13	8 4 13	9 5 12	9 3 15	10 3 14	9 5 11	9 5 10	1741 1742 1743
2 931 721	1 002 276	2 765 652	975 245	6 11	7 12	6 11	8 16	7 10	9 14	7 13	8 16	8 13	9 14	175 1751 1752
3 207	1 124	3 141	1 108	6	6	6	8	6	7	7	7	6	7	1761
5 187	1 878	4 698	1 744	5	4	5	5	5	5	5	5	6	5	1771
254	138	233	119	16	18	18	22	19	22	16	21	16	21	1781
														179
697 727 3 504 9 725 1 465	286 275 1 415 4 307 611	605 803 3 361 6 644 1 232	284 294 1 307 3 302 496	9 9 6 (W) 4 6	8 9 4 (W) 4 6	9 10 6 (W) 4 7	10 12 5 (W) 5 8	10 10 7 (W) 4 7	11 12 6 (W) 5 8	10 9 7 (W) 3 6	10 10 6 (W) 4 8	9 8 6 (W) 4 7	8 10 6 (W) 4 9	1791 1793 1794 1795 1796 1799
377	149	325	127	15	19	15	20	14	21	16	21	17	23	8552

Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction Industries and subdividers and developers .....</b>	<b>9.9</b>	<b>18.5</b>	<b>1.6</b>	<b>108.5</b>	<b>.211</b>	<b>.317</b>	<b>.280</b>	<b>.015</b>	<b>.014</b>
<b>15,18, 17</b>	<b>Construction Industries:</b>									
<b>15</b>	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses .....	5.1	12.5	1.3	81.1	.187	.286	.338	.014	.010
1522	Other residential buildings .....	9.0	15.4	1.4	127.8	.153	.239	.485	.010	.008
1531	Operative builders .....	8.2	21.3	1.5	464.1	.092	.246	.417	.008	.006
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses .....	21.2	22.8	1.8	239.7	.126	.307	.515	.007	.005
1542	Nonresidential buildings, n.e.c. ....	21.7	21.5	1.7	237.2	.119	.179	.578	.006	.006
<b>18</b>	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction .....	28.1	21.0	1.8	100.7	.248	.373	.151	.054	.037
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction .....	40.7	20.7	2.0	114.2	.218	.410	.317	.021	.019
1623	Water, sewer, and utility lines .....	21.3	17.7	1.7	66.1	.311	.298	.093	.049	.052
1629	Heavy construction, n.e.c. ....	45.0	29.6	1.8	181.6	.199	.420	.144	.006	.017
<b>17</b>	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning .....	8.4	19.9	1.7	85.6	.295	.401	.150	.012	.012
1721	Painting, paper hanging, and decorating .....	5.6	13.4	1.4	34.3	.434	.253	.047	.013	.012
1731	Electrical work .....	11.8	22.5	1.8	92.8	.302	.456	.022	.012	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework .....	7.0	13.6	1.3	39.9	.368	.386	.036	.032	.010
1742	Plastering, drywall, and insulation work .....	16.0	15.6	1.2	43.2	.403	.415	.057	.013	.012
1743	Terrazzo, tile, marble, and mosaic work .....	9.3	21.3	1.6	71.4	.343	.572	.014	.011	.007
175	Carpentering and flooring:									
1751	Carpentering .....	4.5	10.8	1.3	41.5	.297	.368	.124	.017	.014
1752	Floor laying and other floorwork .....	5.4	16.3	1.5	67.6	.302	.484	.076	.019	.012
1781	Roofing and sheet metal work .....	9.4	15.0	1.3	60.6	.291	.458	.050	.019	.013
1771	Concrete work .....	9.5	13.5	1.4	54.9	.282	.346	.064	.025	.012
1781	Water well drilling .....	5.6	16.0	1.9	78.4	.254	.390	.018	.037	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection .....	12.7	20.1	1.7	63.8	.368	.256	.062	.017	.035
1793	Glass and glazing work .....	10.8	18.4	1.5	91.7	.265	.537	.010	.012	.011
1794	Excavating and foundation work .....	7.5	16.2	1.5	65.7	.286	.241	.090	.054	.056
1795	Wrecking and demolition work .....	1.3	12.8	1.8	65.1	.196	(D)	.079	(D)	(D)
1796	Installing building equipment, n.e.c. ....	17.5	26.0	1.7	102.9	.319	.360	.016	.007	.008
1799	Special trade contractors, n.e.c. ....	5.9	15.1	1.6	62.4	.302	(D)	.057	(D)	.014
<b>6552</b>	<b>Subdividers and developers, n.e.c. ....</b>	<b>8.4</b>	<b>14.3</b>	<b>1.8</b>	<b>306.6</b>	<b>.203</b>	<b>.157</b>	<b>.458</b>	<b>.023</b>	<b>.009</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>DENVER-BOULDER SMSA</b>											
	Construction Industries and subdividers and developers..	4 620	59 483	1 171 894	5 645 759	4 067 011	2 439 874	1 765 069	1 578 748	71 453	1	1
15,16,17	Construction Industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	643	4 064	55 812	297 394	190 546	125 479	74 001	106 849	4 331	7	5
1522	Other residential buildings .....	83	776	12 185	85 611	36 150	21 554	15 233	49 461	450	13	9
1531	Operative builders .....	217	2 439	55 566	657 654	374 846	225 249	151 335	282 809	4 588	7	2
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	68	1 244	27 133	172 728	90 601	52 366	39 637	82 128	1 336	6	5
1542	Nonresidential buildings, n.e.c. ....	232	6 953	161 084	1 327 190	581 252	349 333	235 623	745 938	6 878	1	1
18	Heavy construction general contractors:											
1611	Highway and street construction .....	76	2 884	57 069	244 369	205 340	116 789	96 445	39 030	8 855	2	1
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	10	461	10 000	40 025	30 682	16 618	(D)	9 343	1 220	(W)	(W)
1623	Water, sewer, and utility lines .....	110	2 679	44 603	148 953	138 039	94 968	(D)	10 914	6 987	4	5
1629	Heavy construction, n.e.c. ....	49	3 261	107 319	634 966	560 912	283 587	287 197	74 054	2 480	3	(W)
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning .....	624	6 364	134 173	435 727	362 359	261 034	(D)	73 368	5 318	4	3
1721	Painting, paper hanging, and decorating .....	279	1 951	29 116	65 621	62 404	45 632	16 880	3 218	808	7	7
1731	Electrical work .....	366	6 222	152 122	517 485	507 835	266 320	243 874	9 650	4 805	2	1
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	180	1 414	20 091	52 972	51 129	30 878	20 970	1 843	1 696	10	9
1742	Plastering, drywall, and insulation work .....	170	3 999	65 646	152 480	144 863	86 571	62 738	7 617	2 104	4	3
1743	Terrazzo, tile, marble, and mosaic work .....	14	215	5 303	14 863	14 701	5 938	(D)	162	(D)	7	3
175	Carpentering and flooring:											
1751	Carpentering .....	324	1 709	21 018	69 451	62 154	36 216	27 671	7 297	1 138	6	10
1752	Floor laying and other floorwork .....	100	688	12 484	38 813	35 954	19 074	17 594	2 859	679	11	9
1761	Roofing and sheet metal work .....	194	2 306	34 420	115 772	109 175	62 071	52 506	6 597	2 185	9	8
1771	Concrete work .....	293	3 452	49 716	170 297	158 661	104 121	56 679	11 635	4 475	6	4
1781	Water well drilling .....	23	199	3 421	14 154	13 938	9 335	4 603	216	389	16	18
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	31	440	10 482	25 182	23 567	17 424	(D)	1 615	355	7	6
1793	Glass and glazing work .....	47	753	14 177	54 850	54 277	29 508	28 774	*573	677	10	6
1794	Excavating and foundation work .....	187	1 971	34 025	114 488	105 601	79 948	30 332	8 887	6 265	9	4
1795	Wrecking and demolition work .....	3	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	-	-
1796	Installing building equipment, n.e.c. ....	35	745	19 805	61 480	60 456	38 282	(D)	1 024	437	2	1
1799	Special trade contractors, n.e.c. ....	175	1 285	20 868	65 706	62 122	36 466	27 042	3 584	1 206	7	7
8552	Subdividers and developers, n.e.c. ....	92	1 009	14 194	87 159	29 102	24 595	8 898	38 057	1 562	5	11



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-- Not applicable.



# SUMMARY OF FINDINGS

During 1982, 9,578 establishments in Idaho operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.5 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 7,448 establishments in this State with no payroll accounted for about 17 percent of all business receipts for all construction establishments in Idaho. On the other hand, 2,130 establishments classified as "employers" accounted for 83 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.3 billion, of which \$1.2 billion were receipts for construction work. These establishments paid \$305 million for construction work subcontracted to others, leaving net construction receipts of about \$927 million. Value added for these establishments amounted to \$475 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Idaho paid \$475 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$27.3 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Idaho was 15.7 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 4.0 million hours, while hours worked during the third quarter were 5.5 million hours.

Total payroll for 1982 was \$313 million. Payments of \$63.7 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Idaho are based on a sample of about 825 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
15,16,17	Construction Industries and subdividers and developers .....	9 578	8 445	15 739	1 541 506	7 448	7 532	255 179	2 130	913	15 739	1 286 327	2	2
	Construction industries¹ .....	9 390	8 263	15 659	1 518 760	7 296	7 370	236 921	2 094	893	15 659	1 281 839	2	2
15	General building contractors and operative builders .....	2 445	2 110	3 680	509 696	1 866	1 862	102 501	579	248	3 680	407 195	5	4
16	Heavy construction, general contractors ..	534	408	6 044	554 308	360	362	16 403	174	46	6 044	537 905	2	1
17	Special trade contractors .....	6 411	5 745	5 935	454 756	5 070	5 146	118 017	1 341	599	5 935	336 739	4	5
1711	Plumbing, heating, and air conditioning....	592	390	1 680	134 031	314	317	17 625	278	73	1 680	116 406	8	10
1731	Electrical work .....	676	577	933	68 745	474	479	13 380	202	98	933	55 365	9	8
6552	Subdividers and developers, n.e.c.² .....	185	182	78	22 743	152	162	18 258	33	*20	78	4 485	22	21
	1977													
15,16,17	Construction Industries and subdividers and developers .....	9 352	8 748	19 165	1 297 364	6 601	6 854	184 570	2 751	1 894	19 165	1 112 794	3	2
	Construction industries¹ .....	9 201	8 563	18 967	(D)	6 474	6 676	168 769	2 727	1 887	18 967	(D)	3	-
15	General building contractors and operative builders .....	2 455	2 223	6 010	528 231	1 507	1 573	78 625	948	650	6 010	449 606	7	4
16	Heavy construction, general contractors ..	577	491	5 180	(D)	337	350	10 444	240	141	5 180	(D)	2	-
17	Special trade contractors .....	6 169	5 850	7 777	375 708	4 630	4 753	79 700	1 539	1 097	7 777	296 008	4	3
1711	Plumbing, heating, and air conditioning....	509	445	1 843	103 529	224	237	7 908	285	208	1 843	95 621	6	7
1731	Electrical work .....	575	494	1 555	67 150	321	327	6 357	254	167	1 555	60 793	9	8
6552	Subdividers and developers, n.e.c.² .....	157	184	201	(D)	127	178	15 801	30	6	201	(D)	10	-

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State</b> .....	9 578	8 445	15 739	1 541 506	7 448	7 532	255 179	2 130	913	15 739	1 286 327	2	2
\$10,000,000 or more .....	10	—	5 068	(D)	—	—	—	10	—	5 068	(D)	(W)	—
\$5,000,000 to \$9,999,999 .....	12	4	483	(D)	1	—	(D)	11	4	483	(D)	(W)	—
\$2,500,000 to \$4,999,999 .....	35	8	1 092	(D)	3	4	(D)	32	4	1 092	(D)	(W)	—
\$1,000,000 to \$2,499,999 .....	143	19	2 309	988 984	13	17	42 025	130	2	2 309	946 959	6	2
\$500,000 to \$999,999 .....	205	65	1 764	139 263	28	29	18 417	177	36	1 764	120 846	10	8
 \$250,000 to \$499,999 .....	348	182	1 635	120 541	82	77	27 227	266	105	1 635	93 314	9	10
\$100,000 to \$249,999 .....	884	616	1 915	136 966	336	348	49 828	548	268	1 915	87 138	9	8
\$50,000 to \$99,999 .....	992	830	763	70 003	620	641	42 959	372	189	763	27 044	12	10
\$25,000 to \$49,999 .....	1 197	1 125	293	42 115	992	1 016	34 696	205	109	293	7 419	15	13
 Less than \$25,000 .....	5 749	5 595	416	43 633	5 373	5 400	40 027	376	195	416	3 606	11	9
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	1 729	1 745	26 843	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	1 226	1 224	8 265	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 353	1 366	3 854	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	1 065	1 065	1 065	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State</b> .....	9 352	8 748	19 165	1 297 364	6 601	6 854	184 570	2 751	1 894	19 165	1 112 794	3	2
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	23	7	4 213	363 941	—	—	—	23	7	4 213	363 941	(W)	(W)
\$2,500,000 to \$4,999,999 .....	26	5	1 097	90 464	—	—	—	26	5	1 097	90 464	(W)	(W)
\$1,000,000 to \$2,499,999 .....	146	61	2 655	231 366	11	16	17 934	135	45	2 655	213 432	4	5
\$500,000 to \$999,999 .....	249	119	2 689	172 147	44	49	28 742	205	70	2 689	143 405	5	5
 \$250,000 to \$499,999 .....	366	220	2 338	132 683	52	58	18 216	314	162	2 338	114 467	8	11
\$100,000 to \$249,999 .....	1 044	813	3 731	165 987	205	221	30 533	839	592	3 731	135 454	11	8
\$50,000 to \$99,999 .....	898	853	1 312	63 118	374	442	25 695	524	411	1 312	37 423	12	11
\$25,000 to \$49,999 .....	1 016	1 027	604	35 378	729	798	25 391	287	229	604	9 987	19	16
 Less than \$25,000 .....	5 584	5 644	(S)	42 281	5 186	5 270	38 059	(S)	(S)	(S)	4 222	—	16
\$10,000 to \$24,999 .....	1 802	1 850	327	(D)	1 582	1 624	24 206	220	226	327	(D)	22	—
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	1 354	1 372	9 187	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 420	1 434	4 041	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	830	840	625	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdividers and developers -----	2 130	15 739	11 949	313 450	231 962	18 713	1 232 787	927 323
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	323	1 569	1 307	19 949	15 774	1 824	109 458	77 296
1522	Other residential buildings -----	16	131	102	2 105	1 593	154	18 628	9 633
1531	Operative builders -----	42	219	94	2 430	*927	147	117 009	11 024
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	69	496	389	7 456	5 688	634	49 601	28 938
1542	Nonresidential buildings, n.e.c. -----	129	1 265	938	23 176	16 355	1 362	194 028	101 451
16	Heavy construction general contractors:								
1611	Highway and street construction -----	74	1 205	1 023	21 438	17 574	1 546	92 329	78 192
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	7	128	113	2 237	1 941	157	18 512	17 017
1623	Water, sewer, and utility lines -----	54	925	785	17 973	14 881	1 395	44 487	40 890
1629	Heavy construction, n.e.c. -----	39	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	278	1 680	1 269	28 367	22 420	1 988	110 891	101 068
1721	Painting, paper hanging, and decorating -----	74	314	258	2 706	2 288	413	11 198	10 488
1731	Electrical work -----	202	933	726	16 267	12 909	1 081	53 770	52 869
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	113	334	296	2 802	2 458	328	10 922	10 401
1742	Plastering, drywall, and insulation work -----	59	339	293	4 962	3 908	436	18 712	15 103
1743	Terrazzo, tile, marble, and mosaic work -----	*21	*21	*21	*83	*83	(S)	*509	*489
175	Carpentering and flooring:								
1751	Carpentering -----	142	334	300	2 847	2 701	416	12 835	12 009
1752	Floor laying and other floorwork -----	22	45	39	*518	*434	*86	*5 563	*4 860
1761	Roofing and sheet metal work -----	76	501	431	7 125	5 747	526	27 892	26 315
1771	Concrete work -----	105	342	311	3 647	3 223	369	16 519	15 001
1781	Water well drilling -----	23	84	77	973	873	113	3 270	3 243
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	16	111	99	2 164	1 797	138	7 077	5 668
1793	Glass and glazing work -----	*15	59	*42	850	618	44	*4 342	(D)
1794	Excavating and foundation work -----	91	428	376	5 203	4 574	504	21 550	20 318
1795	Wrecking and demolition work -----	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. -----	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1799	Special trade contractors, n.e.c. -----	92	(D)	(D)	(D)	(D)	(D)	(D)	(D)
6552	Subdividers and developers, n.e.c. -----	33	78	22	755	190	19	12 693	2 059

†Land receipts for SIC 1531 were \$1,535; for SIC 6552 were \$1,651.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
475 451	502 225	305 463	26 871	35 778	363 251	19 165	1 061 289	478 981	2	2	2	15,16, 17
45 729 5 615	34 013 4 234	32 162 8 995	884 (D)	1 088 23	12 252 856	2 960 162	177 027 10 161	55 982 3 369	7 24	7 27	9 (W)	152 1521 1522
5 989	5 119	5 985	41	68	28 290	852	69 843	14 577	34	33	40	1531
15 906 76 068	13 916 (D)	20 663 92 577	833 1 200	2 142 (D)	6 688 96 244	(D) 1 286	61 094 106 262	23 052 29 786	12 9	11 5	9 —	154 1541 1542
52 206	33 299	14 137	5 795	4 478	64 994	1 735	97 981	58 543	8	3	1	1611
9 917 22 577 (D)	(D) 18 423 (D)	1 495 3 597 (D)	154 *1 661 (D)	130 965 237	5 962 19 668 (D)	171 780 (D)	10 892 37 720 (D)	4 779 19 930 (D)	(W) 6 —	(W) 8 —	(W) 26 17	162 1622 1623 1629
58 611	47 971	9 823	1 047	1 534	18 347	1 843	93 470	43 273	8	11	11	1711
6 882	3 676	710	184	664	4 162	334	8 139	5 981	26	31	34	1721
30 707	23 757	900	534	556	12 158	1 555	57 834	32 567	9	9	12	1731
4 952 7 892 *205	5 505 7 737 *284	*520 *3 609 *20	35 250 *7	102 242 —	3 455 5 596 *218	692 632 *69	21 034 19 645 *1 342	11 799 10 045 *840	21 11 42	22 15 56	29 31 —	174 1741 1742 1743
7 095 *1 224	5 102 (S)	826 (S)	103 *230	387 (D)	2 300 *661	428 124	10 408 3 657	6 887 1 689	15 40	16 73	30 —	175 1751 1752
15 625	11 595	1 577	557	317	4 461	574	19 556	9 634	12	9	6	1761
7 773	7 350	*1 518	173	312	3 265	432	11 648	6 017	20	18	33	1771
1 829	1 426	*27	*17	99	2 251	218	13 269	8 225	39	37	35	1781
2 210 *1 903 15 813 — (S) (D)	(D) 2 623 5 018 — (D) (D)	*1 409 (D) 1 232 — (S) (D)	*68 23 960 — (S) (D)	40 *305 1 127 — (S) (D)	1 325 484 22 900 — (S) (D)	(D) 58 333 — (S) 405	2 809 2 948 7 971 — (S) 13 445	2 408 1 403 6 349 — (S) 8 302	27 40 13 — — —	29 — 10 — — —	(W) 55 20 — — —	179 1791 1793 1794 1795 1796 1799
1 631	568	634	30	69	1 925	201	10 015	5 727	22	22	15	6552

# Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	2 130	2 751	1 974	1 310	4	5	6	5
Number of establishments in business at end of year .....	2 078	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners .....	913	1 894	1 508	1 038	7	7	8	9
All employees** .....	15 739	19 165	16 734	11 167	2	3	4	2
Construction workers:								
March .....	10 248	13 049	10 957	7 761	2	3	3	2
May .....	11 955	17 002	15 280	9 158	3	3	8	2
August .....	12 978	18 419	16 762	11 926	2	7	4	2
November .....	11 681	15 628	15 281	9 294	3	3	4	2
Average .....	11 949	16 039	14 775	9 686	2	3	5	2
Other employees:								
March .....	3 751	2 969	1 871	1 327	3	3	4	4
Construction worker hours (thousands):								
January to March .....	3 984	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
April to June .....	4 813	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September .....	5 456	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December .....	4 459	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Total hours worked .....	18 713	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	313 450	251 616	177 844	88 607	1	2	2	2
Payroll, construction workers .....	231 962	203 302	155 961	76 397	1	2	2	1
Payroll, other employees .....	81 487	48 314	21 883	12 208	2	2	2	3
First quarter payroll, all employees .....	65 171	50 728	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits .....	63 678	45 674	(NA)	(NA)	2	2	(NA)	(NA)
Legally required expenditures .....	49 014	28 118	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures .....	14 664	17 556	(NA)	(NA)	4	2	(NA)	(NA)
All business receipts .....	1 286 327	1 112 794	613 814	286 671	2	2	5	2
Total construction receipts .....	1 232 787	1 061 289	582 649	281 399	2	2	5	2
Receipts for work subcontracted in from others .....	194 409	209 893	88 594	38 334	5	3	8	5
Land receipts <sup>1</sup> .....	3 186	(NA)	(NA)	(NA)	24	(NA)	(NA)	(NA)
Other business receipts .....	50 354	51 504	31 165	5 287	4	5	3	10
Net construction receipts† .....	927 323	814 188	481 335	239 075	2	2	5	2
Value added†† .....	475 451	478 981	286 762	169 257	2	2	8	2
Selected payments .....	807 689	617 253	322 940	116 803	2	3	3	3
Materials, components, and supplies <sup>2</sup> .....	474 919	351 354	221 626	74 450	2	4	3	3
Construction work subcontracted to others .....	305 463	247 101	101 314	42 328	2	3	5	5
Selected power, fuels, and lubricants .....	27 306	18 797	(NA)	(NA)	3	2	(NA)	(NA)
Electricity .....	3 189	1 702	(NA)	(NA)	5	5	(NA)	(NA)
Natural gas .....	792	986	(NA)	(NA)	6	7	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	21 406	14 010	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases .....	1 918	2 100	(NA)	(NA)	7	7	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	959	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	26 871	21 638	(NA)	(NA)	4	2	(NA)	(NA)
For machinery and equipment .....	21 207	19 034	6 769	6 223	5	2	3	3
For structures .....	5 664	2 604	(NA)	(NA)	5	4	(NA)	(NA)
Selected purchased services .....	23 854	22 694	(NA)	(NA)	3	3	(NA)	(NA)
Communication services .....	7 104	4 183	(NA)	(NA)	3	7	(NA)	(NA)
Repairs to structures and related facilities .....	812	829	(NA)	(NA)	7	9	(NA)	(NA)
Repairs to machinery and equipment .....	15 937	17 682	(NA)	(NA)	3	3	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	1 232 787	1 061 289	582 649	281 399	2	2	5	2
Government owned .....	305 087	246 387	200 342	117 150	5	1	3	3
Privately owned .....	927 699	814 902	382 307	164 249	2	2	7	3

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	338 239	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	35 778	35 804	29 934	25 095	2	5	5	2
New -----	29 097	28 169	25 553	23 242	2	4	5	3
Used -----	6 681	7 635	4 381	1 853	7	15	13	5
Retirements and disposition of depreciable assets -----	10 766	(NA)	(NA)	(NA)	8	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	363 251	242 611	160 472	(NA)	2	2	4	(NA)
Depreciation charges during year -----	37 073	25 557	16 901	(NA)	4	2	4	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	96 616	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	(D)	*5 883	4 361	10 821	-	36	22	13
New structures and related facilities -----	(D)	4 216	3 539	10 496	-	19	9	5
Used structures and related facilities -----	1 102	*1 667	822	325	9	54	35	22
Retirements and disposition of depreciable assets -----	996	(NA)	(NA)	(NA)	27	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	117 291	46 875	32 709	(NA)	2	7	4	(NA)
Depreciation charges during year -----	5 163	2 051	3 477	(NA)	9	6	3	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	241 623	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	(D)	29 922	25 573	14 274	-	8	9	4
New machinery and equipment, including automobiles and trucks -----	(D)	23 953	22 014	12 746	-	4	5	2
New automobiles and trucks, intended primarily for highway use -----	4 318	9 834	(NA)	(NA)	7	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	5 579	5 969	3 559	1 528	8	12	14	6
Retirements and disposition of depreciable assets -----	9 770	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	245 960	195 735	127 763	(NA)	3	2	5	(NA)
Depreciation charges during year -----	31 910	23 507	13 424	(NA)	3	2	4	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	2 130	4
Total construction receipts .....	1 232 787	2
<b>Establishments with inventories:</b>		
Number .....	755	10
Total construction receipts .....	381 862	5
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	27 712	9
Value for establishments with LIFO reserve .....	730	3
Amount of LIFO reserve .....	166	12
Value for establishments with no LIFO reserve .....	26 982	9
End of 1981, total .....	22 692	6
Value for establishments with LIFO reserve .....	1 187	4
Amount of LIFO reserve .....	350	13
Value for establishments with no LIFO reserve .....	21 505	7
<b>Establishments with no inventories:</b>		
Number .....	1 375	4
Total construction receipts .....	850 925	2

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments .....	2 130	1 472	373	189	75	10	6	1	1	1
All employees** .....	15 739	2 785	2 471	2 609	2 117	718	5 039	(D)	(D)	(D)
Payroll, all employees .....	313 450	25 569	32 658	39 854	38 601	14 705	162 062	(D)	(D)	(D)
Construction worker hours (thousands) .....	18 713	3 058	2 722	2 855	2 549	1 099	6 431	(D)	(D)	(D)
All business receipts .....	1 286 327	146 649	161 861	373 377	(D)	604 440	(D)	(D)	(D)	(D)
Total construction receipts .....	1 232 787	141 799	154 849	173 805	186 451	575 883	(D)	(D)	(D)	(D)
Net construction receipts† .....	927 323	119 620	129 711	133 128	131 007	413 856	(D)	(D)	(D)	(D)
Value added†† .....	475 451	65 464	75 249	80 102	77 621	38 157	138 856	(D)	(D)	(D)
Payments for materials, components, supplies, and fuels .....	502 226	57 352	61 054	59 652	58 767	19 895	245 504	(D)	(D)	(D)
Payments for construction work subcontracted to others .....	305 463	22 178	25 138	40 676	55 443	162 027	(D)	(D)	(D)	(D)
Rental payments for machinery, equipment, and structures .....	26 871	1 680	2 207	3 120	4 333	752	14 778	(D)	(D)	(D)
Capital expenditures, other than land .....	35 778	3 177	2 472	2 348	4 699	1 176	21 906	(D)	(D)	(D)
End-of-year gross book value of depreciable assets .....	363 251	45 107	35 688	45 477	46 773	22 399	167 806	(D)	(D)	(D)
<b>1977</b>										
All employees** .....	19 165	3 618	3 579	4 170	2 829	1 646	744	2 580	—	(D)
Total construction receipts .....	1 061 289	162 443	176 907	191 033	151 455	127 630	46 067	205 554	—	(D)
Value added†† .....	478 981	71 429	76 350	80 675	62 297	51 336	25 157	111 737	—	(D)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	2	5	8	9	4	(W)	(W)	—	—	—
Net construction receipts† .....	2	6	11	7	2	(W)	—	—	—	—
Capital expenditures, other than land .....	2	17	18	11	10	(W)	(W)	—	—	—

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments -----	2 130	376	205	372	548	266	177	130	32	11	10
All employees** -----	15 739	416	293	763	1 915	1 635	1 764	2 309	1 092	483	5 068
Payroll, all employees -----	313 450	1 051	1 642	5 640	18 821	22 902	26 291	40 326	22 318	12 096	162 360
Construction worker hours (thousands) -----	18 713	351	290	791	1 936	1 839	2 007	2 785	1 291	874	6 545
All business receipts-----	1 286 327	3 606	7 419	27 044	87 138	93 314	120 846	946 959	(D)	(D)	(D)
Total construction receipts -----	1 232 787	3 534	7 232	25 905	84 614	89 361	113 802	196 666	106 690	75 256	529 726
Net construction receipts†-----	927 323	3 126	6 460	23 941	75 132	78 948	92 958	150 693	80 062	416 002	(D)
Value added††-----	475 451	1 750	3 754	13 624	43 185	43 654	56 126	88 805	45 890	178 660	(D)
Payments for materials, components, supplies, and fuels -----	502 226	1 423	2 811	11 094	33 843	38 561	43 456	68 259	302 776	(D)	(D)
Payments for construction work subcontracted to others-----	305 463	407	772	1 964	9 482	10 413	20 844	45 973	26 628	188 980	(D)
Rental payments for machinery, equipment, and structures -----	26 871	69	114	374	1 408	1 333	*2 383	2 505	3 508	767	14 406
Capital expenditures, other than land -----	35 778	*41	*180	491	2 375	1 562	1 653	3 320	1 750	1 810	22 594
End-of-year gross book value of depreciable assets -----	363 251	1 197	2 028	10 473	30 443	31 346	16 475	49 643	34 458	6 589	180 596
<b>1977</b>											
All employees** -----	19 165	(S)	604	1 312	3 731	2 338	2 689	2 655	1 097	14 213	(NA)
Total construction receipts -----	1 061 289	(S)	9 791	37 035	131 587	105 704	137 697	203 111	85 636	1346 546	(NA)
Value added††-----	478 981	(S)	5 854	20 795	65 448	44 393	61 113	82 323	28 406	1168 308	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** -----	2	11	15	12	9	9	10	6	(W)	(W)	(W)
Net construction receipts†-----	2	10	14	10	8	10	10	9	(W)	(W)	-
Capital expenditures, other than land -----	2	42	43	35	23	20	19	13	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b>	<b>1 232 787</b>	<b>1 036 621</b>	<b>196 166</b>	<b>2</b>	<b>2</b>	<b>3</b>
<b>Building construction</b>	<b>893 705</b>	<b>590 219</b>	<b>103 486</b>	<b>2</b>	<b>2</b>	<b>4</b>
Single-family houses	253 769	210 515	43 253	4	4	6
Single-family houses, detached	233 386	200 173	33 212	4	4	7
Single-family houses, attached	20 383	10 342	10 041	16	31	4
Apartment buildings with two or more apartments	24 888	19 380	5 508	13	15	8
Other residential buildings	16 977	8 902	8 075	19	8	39
Office and bank buildings	133 183	125 664	7 519	4	4	10
Office buildings	116 673	110 944	5 729	4	4	14
Bank buildings and other financial institutions	16 510	14 720	1 790	14	15	17
Farm buildings	19 104	17 363	1 741	23	26	26
Industrial buildings and warehouses	107 055	92 752	14 302	5	5	10
Industrial buildings	83 442	70 536	12 905	5	4	11
Warehouses	23 612	22 215	1 397	13	14	12
Stores, restaurants, public garages, and automobile service stations	47 539	34 790	12 749	7	9	8
Religious buildings	11 130	9 206	1 923	25	31	14
Educational buildings	31 300	26 588	4 711	7	8	12
Hospitals and institutional buildings	29 047	26 217	2 830	10	11	11
Amusement, social, and recreational buildings	6 748	6 453	295	33	35	28
Other nonresidential buildings	12 960	12 386	574	23	24	30
<b>Nonbuilding construction</b>	<b>472 527</b>	<b>392 162</b>	<b>80 364</b>	<b>1</b>	<b>1</b>	<b>4</b>
Highways, streets, and related facilities	95 471	64 235	31 236	5	5	8
Bridges, tunnels, and elevated highways	35 370	28 918	6 452	2	3	(W)
Conservation and development construction	9 232	(D)	(D)	27	—	—
Power and communication transmission lines, towers, and related facilities	10 729	6 083	4 646	13	16	10
Sewers, water mains, and related facilities	31 850	27 839	4 011	10	11	8
Sewers, sewer lines, and related facilities	19 815	17 673	2 141	13	15	8
Water mains and related facilities	12 035	10 165	1 869	12	14	14
Sewage treatment and water treatment plants	10 366	9 033	1 333	1	1	1
Heavy industrial facilities	157 395	(D)	(D)	1	—	—
Other nonbuilding construction	122 105	(D)	(D)	3	—	—
<b>Construction work, n.s.k.</b>	<b>66 554</b>	<b>54 239</b>	<b>12 315</b>	<b>7</b>	<b>8</b>	<b>8</b>
<b>1977</b>						
<b>Total construction receipts†</b>	<b>1 061 289</b>	<b>949 042</b>	<b>112 248</b>	<b>2</b>	<b>2</b>	<b>6</b>
<b>Building construction</b>	<b>878 730</b>	<b>602 818</b>	<b>75 912</b>	<b>2</b>	<b>2</b>	<b>9</b>
Single-family houses	322 218	291 061	31 157	4	4	8
Apartment buildings with two or more apartments	37 108	35 202	1 906	14	15	18
Other residential buildings	14 766	11 109	3 657	7	4	24
Office and bank buildings	44 409	39 691	4 718	5	6	6
Farm buildings	14 355	12 902	1 453	9	9	19
Industrial buildings and warehouses	114 088	102 764	11 324	3	2	11
Stores, restaurants, public garages, and automobile service stations	38 034	24 302	*13 732	16	6	43
Religious buildings	20 701	19 363	1 338	4	4	13
Educational buildings	33 862	30 281	3 581	4	4	9
Hospitals and institutional buildings	27 266	25 336	1 930	6	7	7
Other nonresidential buildings	11 923	10 808	1 115	23	25	24
<b>Nonbuilding construction</b>	<b>325 957</b>	<b>295 225</b>	<b>30 732</b>	<b>1</b>	<b>2</b>	<b>4</b>
Highways, streets, and related facilities	103 524	89 178	14 346	2	2	4
Bridges, tunnels, and elevated highways	19 413	18 414	999	8	8	25
Conservation and development construction	12 506	9 210	3 296	26	35	14
Power and communication transmission lines, towers, and related facilities	12 113	10 279	1 834	6	6	13
Sewers, water mains, and related facilities	42 034	39 362	2 672	4	4	7
Heavy industrial facilities	48 149	43 685	4 464	1	1	4
Other nonbuilding construction	88 218	85 097	3 121	2	1	22
<b>Construction work, n.s.k.</b>	<b>56 613</b>	<b>50 974</b>	<b>5 639</b>	<b>7</b>	<b>7</b>	<b>10</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers .....</b>	<b>2 130</b>	<b>11 949</b>	<b>18 713</b>	<b>10 248</b>	<b>3 984</b>	<b>11 955</b>	<b>4 813</b>
<b>15,16, 17</b>	<b>Construction industries:</b>							
<b>15</b>	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses .....	323	1 307	1 824	1 066	392	1 334	480
1522	Other residential buildings .....	16	102	154	105	32	83	32
1531	Operative builders .....	42	94	147	86	*31	*65	*29
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses .....	69	389	634	291	99	337	148
1542	Nonresidential buildings, n.e.c. ....	129	938	1 362	845	306	893	346
<b>16</b>	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction .....	74	1 023	1 546	651	211	1 143	424
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction .....	7	113	157	122	39	122	43
1623	Water, sewer, and utility lines .....	54	785	1 395	689	283	823	368
1629	Heavy construction, n.e.c. ....	39	(D)	(D)	(D)	(D)	(D)	(D)
<b>17</b>	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning .....	278	1 269	1 988	1 125	420	1 183	469
1721	Painting, paper hanging, and decorating .....	74	258	413	162	65	231	96
1731	Electrical work .....	202	726	1 081	723	275	671	262
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework .....	113	296	328	235	81	264	73
1742	Plastering, drywall, and insulation work .....	59	293	436	301	107	272	101
1743	Terrazzo, tile, marble, and mosaic work .....	*21	*21	(S)	*21	(S)	*21	(S)
175	Carpentering and flooring:							
1751	Carpentering .....	142	300	416	329	116	312	101
1752	Floor laying and other floorwork .....	22	39	*86	40	*22	39	*21
1761	Roofing and sheet metal work .....	76	431	526	320	114	369	115
1771	Concrete work .....	105	311	369	128	45	317	100
1781	Water well drilling .....	23	77	113	*83	*28	80	*32
179	Miscellaneous special trade contractors:							
1791	Structural steel erection .....	16	99	138	44	*16	82	29
1793	Glass and glazing work .....	*15	*42	44	*33	*10	36	*9
1794	Excavating and foundation work .....	91	376	504	299	104	368	118
1795	Wrecking and demolition work .....	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. ....	12	(S)	(S)	(S)	(S)	(S)	(S)
1799	Special trade contractors, n.e.c. ....	92	(D)	(D)	(D)	(D)	(D)	(D)
<b>6552</b>	<b>Subdividers and developers, n.e.c. ....</b>	<b>33</b>	<b>22</b>	<b>19</b>	<b>21</b>	<b>(S)</b>	<b>22</b>	<b>(S)</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
12 978	5 456	11 681	4 459	2	2	2	3	3	3	2	3	3	3	15,16, 17
														15
1 485	518	1 203	433	7	7	8	9	8	9	9	9	8	9	152
106	43	119	45	26	25	37	33	21	26	14	19	33	34	1521
														1522
*67	*29	*137	*57	39	40	34	48	42	47	41	48	50	52	1531
570	247	334	139	13	16	17	21	12	18	13	19	18	23	154
983	377	949	332	9	9	8	11	9	11	10	11	10	11	1541
														1542
														16
1 316	551	968	358	8	7	10	17	13	9	6	4	7	6	1611
														162
111	39	91	34	(W) 7	(W) 5	(W) 6	(W) 5	(W) 8	(W) 8	(W) 7	(W) 6	(W) 7	(W) 6	1622
800	375	809	367	-	-	-	-	-	-	-	-	-	-	1623
(D)	(D)	(D)	(D)											1629
														17
1 255	528	1 385	570	8	9	8	11	8	11	8	10	9	11	1711
330	140	259	110	27	29	28	37	30	36	27	32	29	35	1721
726	278	686	264	9	9	9	11	9	12	9	13	10	14	1731
														174
367	99	268	74	20	24	23	35	22	34	23	30	23	34	1741
304	111	278	115	11	12	13	18	12	17	12	16	11	16	1742
*16	(S)	*21	(S)	42	-	42	-	42	-	48	-	42	-	1743
														175
294	117	217	81	15	18	18	25	18	24	22	30	15	26	1751
*37	*20	39	*21	39	57	38	66	39	69	41	72	39	69	1752
498	153	492	143	13	13	13	18	13	16	13	16	13	17	1761
443	131	295	92	21	19	26	38	19	26	27	26	25	23	1771
66	*27	68	*24	39	38	45	50	39	47	37	48	40	49	1781
														179
187	67	79	25	26	22	27	42	32	33	32	23	18	35	1791
*43	*11	*49	*13	43	38	42	65	39	66	42	57	46	58	1793
453	163	348	117	14	12	14	17	14	16	18	20	15	16	1794
														1795
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1796
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1799
22	(S)	23	(S)	35	38	37	-	35	-	35	-	34	-	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers .....</b>	<b>7.4</b>	<b>19.9</b>	<b>1.6</b>	<b>103.2</b>	<b>.254</b>	<b>.407</b>	<b>.248</b>	<b>.029</b>	<b>.022</b>
15,16, 17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses .....	4.9	12.7	1.4	83.7	.182	.311	.294	.010	.008
1522	Other residential buildings .....	8.2	16.1	1.5	182.6	.113	.227	.483	.001	(D)
1531	Operative builders .....	5.2	11.1	1.6	180.9	.143	.301	.352	.004	.002
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses .....	7.2	15.0	1.6	127.5	.150	.281	.417	.043	.017
1542	Nonresidential buildings, n.e.c. ....	9.8	18.3	1.5	206.9	.119	(D)	.477	(D)	.006
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction .....	16.3	17.8	1.5	90.3	.232	.361	.153	.049	.063
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction .....	18.3	17.5	1.4	163.8	.121	(D)	.081	.007	.008
1623	Water, sewer, and utility lines .....	17.1	19.4	1.8	56.7	.404	.414	.081	.022	*.037
1629	Heavy construction, n.e.c. ....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning .....	6.0	16.9	1.6	87.4	.256	.433	.089	.014	.009
1721	Painting, paper hanging, and decorating .....	4.2	8.6	1.6	43.4	.242	.328	.063	.059	.016
1731	Electrical work .....	4.6	17.4	1.5	74.1	.303	.442	.017	.010	.010
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework .....	3.0	8.4	1.1	36.9	.257	.504	*.048	.009	.003
1742	Plastering, drywall, and insulation work .....	5.7	14.6	1.5	63.9	.265	.413	*.193	.013	.013
1743	Terrazzo, tile, marble, and mosaic work .....	*1.0	*4.0	(S)	*24.2	*.163	*.558	*.039	-	*.014
175	Carpentering and flooring:									
1751	Carpentering .....	2.4	8.5	1.4	42.8	.222	.398	.064	.030	.008
1752	Floor laying and other floorwork .....	2.0	*11.5	*2.2	*142.6	*.093	(S)	(S)	(D)	*.041
1761	Roofing and sheet metal work .....	6.6	14.2	1.2	64.7	.255	.416	.057	.011	.020
1771	Concrete work .....	3.3	10.7	1.2	53.1	.221	.445	*.092	.019	.010
1781	Water well drilling .....	3.7	11.6	1.5	42.5	.298	.436	*.008	.030	*.005
179	Miscellaneous special trade contractors:									
1791	Structural steel erection .....	6.9	19.5	1.4	71.5	.306	(D)	*.199	.006	*.010
1793	Glass and glazing work .....	*3.9	14.4	*1.0	*103.4	*.196	*.604	(D)	*.070	*.005
1794	Excavating and foundation work .....	4.7	12.2	1.3	57.3	.241	.233	.057	.052	.045
1795	Wrecking and demolition work .....	-	-	-	-	-	-	-	-	-
1796	Installing building equipment, n.e.c. ....	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(S)	(S)
1799	Special trade contractors, n.e.c. ....	3.5	11.3	1.5	50.9	.275	.454	.061	.020	.022
6552	Subdividers and developers, n.e.c. ....	2.4	9.7	.9	122.4	.280	.211	.235	.026	.011

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Not applicable]

# Montana

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-- Not applicable.



# SUMMARY OF FINDINGS

During 1982, 8,857 establishments in Montana operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.1 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 6,630 establishments in this State with no payroll accounted for about 19 percent of all business receipts for all construction establishments in Montana. On the other hand, 2,227 establishments classified as "employers" accounted for 81 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$891 million, of which \$865 million were receipts for construction work. These establishments paid \$166 million for construction work subcontracted to others, leaving net construction receipts of about \$699 million. Value added for these establishments amounted to \$443 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Montana paid \$251 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of

\$27.2 million were also made for selected power, fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Montana was 12.8 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 3.2 million hours, while hours worked during the third quarter were 5.0 million hours.

Total payroll for 1982 was \$200 million. Payments of \$34.9 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Montana are based on a sample of about 825 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	<b>1982</b>													
	Construction industries and subdividers and developers .....	8 857	7 644	12 755	1 096 654	6 830	8 720	206 159	2 227	924	12 755	890 695	2	2
15,16, 17	Construction Industries <sup>1</sup> .....	8 656	7 428	12 646	1 082 385	8 464	8 516	196 249	2 192	912	12 648	886 136	3	2
15	General building contractors and operative builders .....	2 335	1 935	3 219	340 014	1 879	1 668	75 744	656	247	3 219	264 270	6	5
16	Heavy construction, general contractors ..	538	372	3 938	327 259	305	309	11 584	231	63	3 938	315 675	3	3
17	Special trade contractors .....	5 785	5 121	5 491	415 112	4 480	4 519	108 921	1 305	602	5 491	306 191	5	4
1711	Plumbing, heating, and air conditioning....	498	341	1 046	92 334	262	262	13 902	236	79	1 046	78 432	9	8
1731	Electrical work .....	449	344	964	64 979	259	258	6 895	190	86	964	56 084	12	9
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	196	213	(S)	(S)	166	204	9 910	30	(S)	(S)	(S)	-	-
	<b>1977</b>													
	Construction industries and subdividers and developers .....	7 620	7 102	15 891	924 052	5 018	5 186	105 517	2 602	1 916	15 691	818 535	3	3
15,16, 17	Construction Industries <sup>1</sup> .....	7 515	8 979	15 630	917 321	4 934	5 063	100 465	2 581	1 916	15 630	816 856	3	3
15	General building contractors and operative builders .....	2 102	1 962	5 706	431 926	1 132	1 186	45 584	970	776	5 706	386 342	5	4
16	Heavy construction, general contractors ..	543	411	3 399	187 643	306	313	6 652	235	98	3 399	180 791	2	2
17	Special trade contractors .....	4 670	4 606	6 525	297 752	3 494	3 584	48 029	1 376	1 042	6 525	249 723	7	6
1711	Plumbing, heating, and air conditioning....	416	334	1 705	83 076	164	169	3 340	252	165	1 705	79 736	22	14
1731	Electrical work .....	364	303	1 165	56 527	171	174	4 065	193	129	1 165	52 462	9	10
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	109	123	84	6 736	84	123	5 052	25	-	*64	1 684	52	35

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size  
Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State -----</b>	<b>8 857</b>	<b>7 644</b>	<b>12 755</b>	<b>1 096 854</b>	<b>6 630</b>	<b>6 720</b>	<b>206 159</b>	<b>2 227</b>	<b>924</b>	<b>12 755</b>	<b>890 695</b>	<b>2</b>	<b>2</b>
\$10,000,000 or more -----	8	-	1 951	(D)	-	-	-	8	-	1 951	(D)	(W)	-
\$5,000,000 to \$9,999,999 -----	16	2	848	(D)	1	-	(D)	15	2	848	283 217	(W)	(W)
\$2,500,000 to \$4,999,999 -----	27	3	906	(D)	2	2	(D)	25	1	906	(D)	(W)	-
\$1,000,000 to \$2,499,999 -----	115	20	2 076	570 104	10	11	30 233	105	9	2 076	256 654	5	4
\$500,000 to \$999,999 -----	212	45	1 729	149 040	20	22	14 108	192	*23	1 729	134 932	8	10
 \$250,000 to \$499,999 -----	320	127	1 713	105 718	54	50	17 175	266	77	1 713	88 543	12	10
\$100,000 to \$249,999 -----	797	581	1 695	119 606	284	308	42 247	513	273	1 695	77 359	8	8
\$50,000 to \$99,999 -----	1 030	806	1 026	73 501	563	596	39 110	467	210	1 026	34 391	14	9
\$25,000 to \$49,999 -----	1 117	997	446	39 684	815	840	28 345	302	157	446	11 339	12	12
 Less than \$25,000 -----	5 212	5 060	362	39 199	4 881	4 891	34 941	331	169	362	4 258	9	11
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	1 445	1 453	22 642	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 141	1 140	7 656	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 270	1 277	3 618	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	1 025	1 021	1 025	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State -----</b>	<b>7 620</b>	<b>7 102</b>	<b>15 691</b>	<b>924 052</b>	<b>5 018</b>	<b>5 186</b>	<b>105 517</b>	<b>2 602</b>	<b>1 916</b>	<b>15 691</b>	<b>818 535</b>	<b>3</b>	<b>3</b>
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> -----	20	2	2 654	187 351	-	-	-	20	2	2 654	187 351	1	(W)
\$2,500,000 to \$4,999,999 -----	25	2	1 200	91 286	-	-	-	25	2	1 200	91 286	(W)	(W)
\$1,000,000 to \$2,499,999 -----	94	27	2 070	146 567	4	4	5 236	90	23	2 070	141 331	2	2
\$500,000 to \$999,999 -----	188	95	2 300	124 206	15	15	9 822	173	80	2 300	114 384	5	8
 \$250,000 to \$499,999 -----	391	278	2 603	139 512	18	25	5 373	373	253	2 603	134 139	15	13
\$100,000 to \$249,999 -----	717	571	2 379	111 009	119	139	18 431	598	432	2 379	92 578	8	9
\$50,000 to \$99,999 -----	873	812	1 371	60 505	312	350	21 327	561	462	1 371	39 178	13	12
\$25,000 to \$49,999 -----	862	834	540	30 782	516	556	18 007	346	278	540	12 775	19	18
 Less than \$25,000 -----	4 452	4 482	(S)	32 835	4 034	4 097	27 321	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	1 337	1 363	(S)	21 448	1 071	1 110	16 721	(S)	(S)	(S)	(S)	-	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	1 000	1 009	6 690	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 157	1 166	3 298	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	806	812	612	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	2 227	12 755	10 510	199 589	160 709	16 312	864 533	698 776
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	417	1 369	1 165	15 358	12 419	1 508	77 374	58 538
1522	Other residential buildings -----	29	112	87	1 404	992	145	8 739	6 383
1531	Operative builders -----	50	210	151	2 618	1 524	250	116 164	11 090
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	23	232	167	4 884	3 389	266	35 231	25 598
1542	Nonresidential buildings, n.e.c. -----	137	1 296	1 049	19 305	14 340	1 286	119 246	69 797
16	Heavy construction general contractors:								
1611	Highway and street construction -----	83	1 523	1 310	30 423	25 431	1 976	140 773	122 326
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	69	756	601	14 547	12 252	1 046	54 147	46 344
1629	Heavy construction, n.e.c. -----	74	1 404	1 222	20 214	16 877	2 752	80 137	66 616
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	236	1 046	774	19 867	14 979	1 218	75 221	62 461
1721	Painting, paper hanging, and decorating -----	79	380	347	3 810	3 474	396	9 295	8 839
1731	Electrical work -----	190	964	703	17 849	14 409	1 060	53 639	52 693
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	69	277	260	3 018	2 746	378	10 106	9 916
1742	Plastering, drywall, and insulation work -----	42	157	122	2 199	1 827	172	9 521	9 315
1743	Terrazzo, tile, marble, and mosaic work -----	*18	*48	*48	*385	*385	*62	*1 226	*1 220
175	Carpentering and flooring:								
1751	Carpentering -----	197	545	490	6 318	5 887	697	25 090	20 988
1752	Floor laying and other floorwork -----	*22	(D)	50	(D)	617	75	2 513	2 439
1761	Roofing and sheet metal work -----	61	393	321	7 466	5 593	467	24 877	23 986
1771	Concrete work -----	95	340	313	3 439	3 118	401	15 394	14 664
1781	Water well drilling -----	55	187	171	2 042	1 799	243	9 052	8 969
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	*13	160	152	(D)	(D)	208	(D)	(D)
1793	Glass and glazing work -----	*15	*54	*38	*708	*545	*57	*2 839	(D)
1794	Excavating and foundation work -----	134	604	519	9 396	7 579	903	36 475	32 445
1795	Wrecking and demolition work -----	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. -----	75	249	198	2 824	2 435	331	11 389	10 927
6552	Subdividers and developers, n.e.c. -----	30	(S)	(S)	(S)	(S)	(S)	(S)	(S)

†Land receipts for SIC 1531 were \$2,055.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
443 360	277 919	165 757	13 008	20 718	289 707	15 691	785 195	378 203	2	2	7	15,16, 17
												15
34 070	26 373	18 836	757	1 518	15 893	2 623	118 558	48 996	8	8	17	152
4 496	1 936	*2 356	28	40	466	298	21 220	11 570	33	24	(W)	1521
												1522
9 225	3 466	5 074	81	*660	3 458	613	67 104	21 266	25	22	46	1531
10 212	15 548	9 633	317	249	2 816	673	42 863	15 549	14	9	4	154
37 941	33 596	49 449	1 220	1 871	14 960	1 499	115 620	35 371	10	7	10	1541
												1542
												16
86 011	39 842	18 447	3 676	5 016	96 573	2 341	126 813	74 704	5	4	5	1611
(D)	(D)	(D)	(D)	(D)	(D)	91	3 417	1 933	-	-	-	162
30 843	16 346	7 803	1 336	2 019	22 579	704	34 880	18 807	11	8	4	1622
52 958	17 142	13 521	1 618	1 035	18 557	263	12 223	6 535	3	5	4	1623
												1629
												17
34 035	31 637	12 759	907	717	15 379	1 705	77 480	41 089	9	9	12	1711
6 729	2 277	455	78	(D)	1 575	354	8 714	6 273	23	20	-	1721
31 860	23 277	946	455	1 225	14 473	1 165	50 447	29 023	12	9	24	1731
6 151	3 933	*190	112	*31	3 102	485	15 138	9 971	27	28	43	174
4 955	5 003	*205	102	102	1 300	350	10 089	6 874	26	28	22	1741
*660	*560	*6	-	*7	*195	*27	*1 341	*692	48	47	63	1742
												1743
11 714	9 529	4 102	111	482	3 453	424	9 778	6 220	13	12	26	175
1 365	1 074	74	*7	-	307	*85	*3 838	*2 047	-	17	-	1751
												1752
13 866	10 231	891	306	390	3 935	319	13 415	7 376	12	14	15	1761
7 659	7 029	730	219	415	7 876	322	11 348	6 373	22	30	32	1771
4 784	4 204	*83	55	487	6 497	203	7 904	4 631	21	20	32	1781
(D)	1 261	(S)	135	31	(D)	*96	*3 474	1 554	10	-	(W)	179
*1 334	*1 737	(D)	(D)	*9	*477	100	3 792	2 192	53	-	49	1791
24 534	8 969	4 030	1 103	3 259	39 248	495	13 114	10 170	12	12	17	1793
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	1794
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	1795
7 514	3 665	462	62	438	5 009	360	10 622	7 538	18	19	23	1796
												1799
(S)	(S)	(S)	(S)	(S)	(S)	*64	*677	327	-	-	-	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	2 227	2 602	1 636	1 566	4	5	6	4
Number of establishments in business at end of year .....	2 161	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners .....	924	1 916	1 203	1 343	7	7	9	8
All employees** .....	12 755	15 691	10 353	9 771	2	3	4	3
Construction workers:								
March .....	8 283	10 636	6 206	5 611	3	4	4	4
May .....	10 147	14 487	9 443	7 952	3	3	4	3
August .....	12 287	15 977	11 214	10 531	3	3	4	2
November .....	10 251	13 991	8 926	9 274	3	4	5	4
Average .....	10 510	13 785	9 094	8 564	3	3	4	3
Other employees:								
March .....	2 205	1 732	1 128	1 183	5	6	6	6
Construction worker hours (thousands):								
January to March .....	3 246	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
April to June .....	4 008	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
July to September .....	4 958	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December .....	4 097	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Total hours worked .....	16 312	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Payroll, all employees .....	199 589	175 385	91 122	63 206	2	3	3	2
Payroll, construction workers .....	160 709	149 055	76 881	54 600	2	4	3	2
Payroll, other employees .....	38 880	26 330	14 241	8 613	3	4	4	4
First quarter payroll, all employees .....	39 057	31 203	(NA)	(NA)	2	3	(NA)	(NA)
Employer costs for fringe benefits .....	34 906	34 444	(NA)	(NA)	3	3	(NA)	(NA)
Legally required expenditures .....	26 681	20 784	(NA)	(NA)	3	3	(NA)	(NA)
Voluntary expenditures .....	8 225	13 660	(NA)	(NA)	3	4	(NA)	(NA)
All business receipts .....	890 695	818 535	370 008	230 813	2	3	3	2
Total construction receipts .....	864 533	785 195	358 856	225 696	2	3	4	2
Receipts for work subcontracted in from others .....	174 764	142 373	42 347	29 742	5	4	6	7
Land receipts <sup>1</sup> .....	3 658	(NA)	(NA)	(NA)	19	(NA)	(NA)	(NA)
Other business receipts .....	22 503	33 339	11 152	5 139	8	27	6	13
Net construction receipts† .....	698 776	637 781	295 237	187 083	2	3	4	2
Value added†† .....	443 360	378 203	181 919	116 774	2	4	4	3
Selected payments .....	443 676	427 828	183 314	113 699	3	4	4	3
Materials, components, and supplies <sup>2</sup> .....	250 671	262 927	119 695	75 086	3	4	5	3
Construction work subcontracted to others .....	165 757	147 414	63 619	38 612	3	4	4	4
Selected power, fuels, and lubricants .....	27 248	17 487	(NA)	(NA)	4	3	(NA)	(NA)
Electricity .....	2 356	1 356	(NA)	(NA)	6	9	(NA)	(NA)
Natural gas .....	1 105	886	(NA)	(NA)	7	10	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	21 421	12 935	(NA)	(NA)	4	3	(NA)	(NA)
Other, including lubricating oils and greases .....	2 365	2 314	(NA)	(NA)	8	9	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	871	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	13 008	12 924	(NA)	(NA)	3	5	(NA)	(NA)
For machinery and equipment .....	10 006	10 227	7 858	3 547	4	4	5	6
For structures .....	3 001	2 697	(NA)	(NA)	6	16	(NA)	(NA)
Selected purchased services .....	21 712	22 864	(NA)	(NA)	5	2	(NA)	(NA)
Communication services .....	3 854	3 098	(NA)	(NA)	5	5	(NA)	(NA)
Repairs to structures and related facilities .....	1 726	1 015	(NA)	(NA)	5	9	(NA)	(NA)
Repairs to machinery and equipment .....	16 131	18 752	(NA)	(NA)	5	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	864 533	785 195	358 856	225 696	2	3	4	2
Government owned .....	296 637	262 683	177 366	122 799	5	2	3	7
Privately owned .....	567 896	522 513	181 490	102 897	4	4	6	7

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	286 216	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	20 718	33 699	13 633	15 241	7	5	7	6
New -----	10 600	24 492	9 668	9 276	6	5	8	6
Used -----	10 118	9 207	3 965	5 965	10	7	11	10
Retirements and disposition of depreciable assets -----	17 227	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	289 707	188 171	82 794	(NA)	5	3	4	(NA)
Depreciation charges during year -----	34 834	19 601	9 548	(NA)	5	4	8	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	43 249	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	2 203	4 693	1 568	4 313	20	24	16	14
New structures and related facilities -----	1 282	3 451	902	597	8	16	12	16
Used structures and related facilities -----	*921	1 242	666	3 716	49	33	20	13
Retirements and disposition of depreciable assets -----	2 609	(NA)	(NA)	(NA)	21	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	42 843	33 103	11 651	(NA)	7	8	8	(NA)
Depreciation charges during year -----	3 245	1 942	1 029	(NA)	9	14	6	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	242 967	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	18 514	29 005	12 065	10 928	5	5	10	12
New machinery and equipment, including automobiles and trucks -----	9 318	21 041	8 766	8 679	7	5	8	7
New automobiles and trucks, intended primarily for highway use -----	3 646	5 951	(NA)	(NA)	9	8	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	9 196	7 964	3 299	2 249	9	6	12	17
Retirements and disposition of depreciable assets -----	14 618	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	246 863	155 067	71 143	(NA)	4	3	4	(NA)
Depreciation charges during year -----	31 589	17 659	8 519	(NA)	5	4	8	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	2 227	4
Total construction receipts .....	864 533	2
<b>Establishments with inventories:</b>		
Number .....	740	11
Total construction receipts .....	404 336	4
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	17 699	8
Value for establishments with LIFO reserve .....	792	40
Amount of LIFO reserve .....	*229	44
Value for establishments with no LIFO reserve .....	16 907	8
End of 1981, total .....	17 290	12
Value for establishments with LIFO reserve .....	*659	48
Amount of LIFO reserve .....	*233	43
Value for establishments with no LIFO reserve .....	16 631	12
<b>Establishments with no inventories:</b>		
Number .....	1 487	4
Total construction receipts .....	460 197	3

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments -----	2 227	1 611	355	150	90	16	4	-	1	-
All employees** -----	12 755	3 044	2 268	2 043	2 577	1 139	1 684	-	(D)	-
Payroll, all employees -----	199 589	30 853	29 895	34 218	49 211	28 155	27 257	-	(D)	-
Construction worker hours (thousands) -----	16 312	3 465	2 492	2 313	3 164	1 716	3 158	-	(D)	-
All business receipts -----	890 695	163 511	133 634	339 774	(D)	253 776	(D)	-	(D)	-
Total construction receipts -----	864 533	157 667	129 544	132 840	195 299	117 734	131 449	-	(D)	-
Net construction receipts† -----	698 776	135 139	110 447	103 927	155 297	89 786	104 179	-	(D)	-
Value added†† -----	443 360	79 812	69 051	61 065	97 946	58 015	77 469	-	(D)	-
Payments for materials, components, supplies, and fuels -----	277 919	59 675	44 734	47 892	62 544	63 073	(D)	-	(D)	-
Payments for construction work subcontracted to others -----	165 757	22 527	19 096	28 913	40 002	27 948	27 270	-	(D)	-
Rental payments for machinery, equipment, and structures -----	13 008	1 335	1 590	2 262	3 434	2 868	1 518	-	(D)	-
Capital expenditures, other than land -----	20 718	3 429	4 745	2 804	4 613	3 348	1 779	-	(D)	-
End-of-year gross book value of depreciable assets -----	289 707	43 863	53 400	45 342	60 972	36 664	49 464	-	(D)	-
<b>1977</b>										
All employees** -----	15 691	3 800	2 848	2 842	2 677	1 417	2 107	(D)	(D)	-
Total construction receipts -----	785 195	172 188	117 462	150 567	144 768	95 073	105 138	(D)	(D)	-
Value added†† -----	378 203	76 641	53 237	74 285	69 515	44 986	59 540	(D)	(D)	-
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** -----	2	5	9	8	7	(W)	(W)	-	-	-
Net construction receipts† -----	2	7	9	8	2	(W)	(W)	-	-	-
Capital expenditures, other than land -----	7	16	21	20	1	(W)	(W)	-	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments .....	2 227	331	302	467	513	266	192	105	25	15	8
All employees** .....	12 755	362	446	1 026	1 695	1 713	1 729	2 076	906	848	1 951
Payroll, all employees .....	199 589	1 124	2 926	7 997	18 119	20 800	28 068	42 812	21 811	21 860	34 070
Construction worker hours (thousands) .....	16 312	293	443	991	1 981	1 798	2 007	2 630	1 357	1 267	3 540
All business receipts .....	890 695	4 258	11 339	34 391	77 359	88 543	134 932	256 654	(D)	283 217	(D)
Total construction receipts .....	864 533	4 204	10 932	33 598	74 852	85 507	130 164	159 883	87 860	103 252	174 281
Net construction receipts† .....	698 776	3 493	9 646	30 039	67 686	73 833	106 534	131 366	66 156	77 605	132 418
Value added†† .....	443 360	2 086	6 062	17 509	41 380	46 305	59 695	83 143	43 663	52 046	91 468
Payments for materials, components, supplies, and fuels .....	277 919	1 446	3 776	13 115	28 455	30 095	50 134	53 251	25 451	72 193	(D)
Payments for construction work subcontracted to others .....	165 757	711	1 286	3 559	7 165	11 674	23 630	28 517	21 704	25 647	41 863
Rental payments for machinery, equipment, and structures .....	13 008	*77	153	345	777	1 203	1 361	2 788	1 920	2 297	2 085
Capital expenditures, other than land .....	20 718	*47	143	1 251	2 103	2 594	2 606	4 261	2 854	2 539	2 318
End-of-year gross book value of depreciable assets .....	289 707	1 292	3 309	15 280	30 387	30 663	35 791	49 593	35 603	34 217	53 569
<b>1977</b>											
All employees** .....	15 691	(S)	540	1 371	2 379	2 603	2 300	2 070	1 200	12 654	(NA)
Total construction receipts .....	785 195	(S)	11 942	37 248	90 655	129 341	110 782	136 108	89 628	173 990	(NA)
Value added†† .....	378 203	(S)	7 097	20 053	45 207	62 282	47 425	59 899	46 999	186 358	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	2	9	12	14	8	12	8	5	(W)	(W)	(W)
Net construction receipts† .....	2	13	10	9	8	10	9	5	(W)	(W)	(W)
Capital expenditures, other than land .....	7	56	38	23	21	34	21	15	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b> .....	<b>864 533</b>	<b>722 704</b>	<b>141 829</b>	<b>2</b>	<b>2</b>	<b>4</b>
<b>Building construction</b> .....	<b>432 621</b>	<b>370 166</b>	<b>62 454</b>	<b>3</b>	<b>3</b>	<b>5</b>
Single-family houses .....	140 252	113 286	26 965	6	6	7
Single-family houses, detached .....	121 996	97 049	24 946	6	7	7
Single-family houses, attached .....	18 255	16 236	2 019	11	11	31
Apartment buildings with two or more apartments .....	17 189	13 859	3 329	15	18	16
Other residential buildings .....	15 685	13 897	1 788	6	7	14
Office and bank buildings .....	58 255	51 192	7 063	5	6	6
Office buildings .....	48 656	43 511	5 144	6	7	9
Bank buildings and other financial institutions .....	9 598	7 680	1 918	9	10	10
Farm buildings .....	14 282	*13 391	891	38	41	19
Industrial buildings and warehouses .....	59 922	54 015	5 906	5	6	8
Industrial buildings .....	48 008	43 417	4 590	6	7	10
Warehouses .....	11 914	10 597	1 316	12	13	11
Stores, restaurants, public garages, and automobile service stations .....	45 782	38 705	7 076	7	8	10
Religious buildings .....	10 784	9 730	1 054	28	31	21
Educational buildings .....	29 300	25 395	3 905	11	11	26
Hospitals and institutional buildings .....	19 800	16 399	3 400	9	9	29
Other nonresidential buildings .....	21 365	20 292	1 071	2	2	21
<b>Nonbuilding construction</b> .....	<b>307 611</b>	<b>249 721</b>	<b>57 889</b>	<b>3</b>	<b>3</b>	<b>5</b>
Highways, streets, and related facilities .....	114 455	78 842	35 613	6	6	8
Bridges, tunnels, and elevated highways .....	14 539	14 474	*65	4	4	49
Conservation and development construction .....	5 958	5 313	644	16	18	16
Power and communication transmission lines, towers, and related facilities .....	21 621	16 729	4 891	15	19	16
Sewers, water mains, and related facilities .....	45 780	38 715	7 065	7	7	6
Sewers, sewer lines, and related facilities .....	24 339	19 987	4 352	9	10	7
Water mains and related facilities .....	21 440	18 727	2 712	9	9	10
Pipeline, other than sewer or water lines .....	13 781	12 358	1 422	10	11	12
Sewage treatment and water treatment plants .....	8 892	7 623	1 268	11	12	8
Sewage treatment plants .....	5 769	(D)	(D)	17	-	-
Water treatment plants .....	3 123	(D)	(D)	(W)	-	-
Heavy industrial facilities .....	22 816	21 443	1 373	10	9	19
Blast furnaces, petroleum refineries, and chemical complexes .....	2 186	*1 324	861	35	48	16
Power plants .....	20 630	20 118	511	10	9	39
Oilfields .....	7 174	6 743	430	14	15	(W)
Other nonbuilding construction .....	52 590	47 475	5 111	1	6	18
<b>1977</b>						
<b>Total construction receipts†</b> .....	<b>785 195</b>	<b>680 011</b>	<b>105 185</b>	<b>3</b>	<b>3</b>	<b>4</b>
<b>Building construction</b> .....	<b>529 961</b>	<b>463 249</b>	<b>66 712</b>	<b>4</b>	<b>4</b>	<b>5</b>
Single-family houses .....	221 917	199 403	22 514	8	9	8
Apartment buildings with two or more apartments .....	49 079	44 266	4 813	7	7	11
Other residential buildings .....	9 455	7 504	1 951	13	16	11
Office and bank buildings .....	46 673	40 872	5 801	5	5	12
Farm buildings .....	12 656	10 368	2 288	18	20	23
Industrial buildings and warehouses .....	71 017	62 005	9 012	4	5	10
Stores, restaurants, public garages, and automobile service stations .....	35 922	24 455	11 467	7	4	19
Educational buildings .....	34 324	29 960	4 364	5	5	6
Hospitals and institutional buildings .....	29 277	27 155	2 122	3	3	10
Amusement, social, and recreational buildings .....	6 750	5 595	1 155	7	8	13
Other nonresidential buildings .....	12 892	11 666	1 226	6	6	8
<b>Nonbuilding construction</b> .....	<b>223 583</b>	<b>188 488</b>	<b>35 095</b>	<b>5</b>	<b>5</b>	<b>6</b>
Highways, streets, and related facilities .....	124 630	109 382	15 248	2	2	3
Bridges, tunnels, and elevated highways .....	8 114	7 432	682	6	5	33
Conservation and development construction .....	9 712	6 409	3 303	19	23	28
Power and communication transmission lines, towers, and related facilities .....	9 043	4 119	4 924	8	2	13
Sewers, water mains, and related facilities .....	36 787	33 399	3 388	23	22	40
Sewage treatment and water treatment plants .....	6 727	5 866	861	4	4	2
Other nonbuilding construction .....	28 570	21 881	6 689	11	10	17
<b>Construction work, n.s.k.</b> .....	<b>31 661</b>	<b>28 205</b>	<b>3 456</b>	<b>5</b>	<b>5</b>	<b>12</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers .....</b>	<b>2 227</b>	<b>10 510</b>	<b>18 312</b>	<b>8 283</b>	<b>3 246</b>	<b>10 147</b>	<b>4 008</b>
15,18, 17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses .....	417	1 165	1 508	953	331	1 139	398
1522	Other residential buildings .....	29	87	145	84	40	102	40
1531	Operative builders .....	50	151	250	88	31	94	41
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses .....	23	167	266	174	70	146	55
1542	Nonresidential buildings, n.e.c. ....	137	1 049	1 286	835	258	1 025	313
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction .....	83	1 310	1 976	806	286	1 326	493
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction .....	5	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	69	601	1 046	382	153	519	223
1629	Heavy construction, n.e.c. ....	74	1 222	2 752	1 133	645	1 265	719
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning .....	238	774	1 218	677	255	732	289
1721	Painting, paper hanging, and decorating .....	79	347	396	269	78	397	108
1731	Electrical work .....	190	703	1 060	613	230	625	250
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework .....	69	260	378	202	70	295	*106
1742	Plastering, drywall, and insulation work .....	42	122	172	88	36	114	37
1743	Terrazzo, tile, marble, and mosaic work .....	*18	*48	*62	*51	(S)	*48	*17
175	Carpentering and flooring:							
1751	Carpentering .....	197	490	697	444	154	460	179
1752	Floor laying and other floorwork .....	*22	50	75	25	(S)	50	21
1761	Roofing and sheet metal work .....	81	321	467	209	83	309	104
1771	Concrete work .....	95	313	401	174	51	304	101
1781	Water well drilling .....	55	171	243	171	62	175	63
179	Miscellaneous special trade contractors:							
1791	Structural steel erection .....	*13	152	208	(D)	(D)	(D)	(D)
1793	Glass and glazing work .....	*15	*38	*57	*33	*15	*33	(S)
1794	Excavating and foundation work .....	134	519	903	359	163	475	202
1795	Wrecking and demolition work .....	1	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. ....	3	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. ....	75	198	331	158	64	186	91
6552	<b>Subdividers and developers, n.e.c. ....</b>	<b>30</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
12 287	4 958	10 251	4 097	3	3	3	3	3	4	3	3	3	3	15,16, 17
														15
1 319 84	429 *31	1 034 72	349 *32	8 33	9 33	9 32	13 38	9 34	12 39	10 37	12 43	9 31	13 41	152 1521 1522
123	48	*296	*128	29	31	26	39	24	38	29	37	50	51	1531
162 1 264	67 414	180 1 023	72 299	11 12	12 8	13 11	16 12	5 14	10 11	11 12	14 10	23 12	26 10	154 1541 1542
														16
1 821	733	1 278	463	5	4	4	5	6	7	5	4	5	4	1611
														162
(D) 775 1 396	(D) 367 761	(D) 692 1 033	(D) 301 625	- 9 3	- 7 3	- 9 2	- 11 3	- 9 4	- 9 4	- 10 3	- 7 3	- 9 4	- 8 4	1622 1623 1629
														17
796	340	808	332	9	9	9	13	10	13	9	12	9	12	1711
389	119	285	90	23	23	24	29	25	27	23	27	23	28	1721
720	291	742	287	9	9	10	12	8	12	9	13	9	12	1731
														174
306 139 *48	116 53 *15	220 126 *44	85 45 (S)	27 25 48	30 27 58	25 27 53	36 40 -	33 28 48	42 39 72	27 32 48	33 37 74	27 29 48	36 37 -	1741 1742 1743
491 52	188 21	429 56	175 23	12 17	14 23	13 30	20 -	13 15	19 36	13 14	18 35	14 15	18 36	175 1751 1752
421	149	317	130	11	10	11	17	10	15	12	15	14	13	1761
417	140	310	108	22	25	26	40	22	32	23	29	22	31	1771
169	62	131	55	21	22	23	30	21	29	21	30	20	30	1781
														179
201 *39 628 (D) (D) (D) 246	65 *14 304 (D) (D) (D) 103	187 *32 542 (D) (D) (D) 163	60 *15 233 (D) (D) (D) 66	11 52 13 - - - 18	6 59 12 - - - 20	- 58 15 - - - 15	- 71 18 - - - 27	- 58 13 - - - 19	- - 16 - - - 29	13 61 14 - - - 19	11 74 15 - - - 27	14 49 14 - - - 18	12 71 15 - - - 27	1791 1793 1794 1795 1796 1799
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers -----</b>	<b>5.7</b>	<b>15.7</b>	<b>1.6</b>	<b>82.3</b>	<b>.231</b>	<b>.321</b>	<b>.192</b>	<b>.024</b>	<b>.015</b>
15,16, 17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	3.3	11.2	1.3	66.4	.198	.341	.243	.020	.010
1522	Other residential buildings -----	3.9	12.5	1.7	100.4	.161	.222	*.270	.005	.003
1531	Operative builders -----	4.2	12.5	1.7	107.0	.162	.214	.314	*.041	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	10.1	21.1	1.6	211.0	.139	.441	.273	.007	.009
1542	Nonresidential buildings, n.e.c. -----	9.5	14.9	1.2	113.7	.162	.282	.415	.016	.010
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	18.3	20.0	1.5	107.5	.216	.283	.131	.036	.026
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	11.0	19.2	1.7	90.1	.269	.302	.144	.037	.025
1629	Heavy construction, n.e.c. -----	19.0	14.4	2.3	65.6	.252	.214	.169	.013	.020
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	4.4	19.0	1.6	97.2	.264	.421	.170	.010	.012
1721	Painting, paper hanging, and decorating -----	4.8	10.0	1.1	26.8	.410	.245	.049	(D)	.008
1731	Electrical work -----	5.1	18.5	1.5	76.3	.333	.434	.018	.023	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework ----	4.0	10.9	1.5	38.9	.299	.389	*.019	*.003	.011
1742	Plastering, drywall, and insulation work -----	3.7	14.0	1.4	78.0	.231	.525	*.022	.011	.011
1743	Terrazzo, tile, marble, and mosaic work -----	*2.7	*8.0	*1.3	*25.5	*.314	*.457	*.005	*.006	-
175	Carpentering and flooring:									
1751	Carpentering -----	2.8	11.6	1.4	51.2	.252	.380	.163	.019	.004
1752	Floor laying and other floorwork -----	(D)	(D)	1.5	(D)	(D)	.427	.029	-	*.003
1761	Roofing and sheet metal work -----	6.4	19.0	1.5	77.5	.300	.411	.036	.016	.012
1771	Concrete work -----	3.6	10.1	1.3	49.2	.223	.457	.047	.027	.014
1781	Water well drilling -----	3.4	10.9	1.4	52.9	.226	.464	*.009	.054	.006
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	*12.3	(D)	1.4	(D)	(D)	(D)	(D)	(D)	(D)
1793	Glass and glazing work -----	*3.6	*13.1	*1.5	*74.7	*.249	*.612	(D)	*.003	(D)
1794	Excavating and foundation work -----	4.5	15.6	1.7	70.3	.258	.246	.110	.089	.030
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1799	Special trade contractors, n.e.c. -----	3.3	11.3	1.7	57.5	.248	.322	.041	.038	.005
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>	<b>(S)</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Not applicable]

# Nevada

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-- Not applicable.



# SUMMARY OF FINDINGS

During 1982, 5,600 establishments in Nevada operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 3,317 establishments in this State with no payroll accounted for about 8 percent of all business receipts for all construction establishments in Nevada. On the other hand, 2,283 establishments classified as "employers" accounted for 92 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$2.2 billion, of which \$2.1 billion were receipts for construction work. These establishments paid \$536 million for construction work subcontracted to others, leaving net construction receipts of about \$1.5 billion. Value added for these establishments amounted to \$1.0 billion. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Nevada paid \$526 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$49.6 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Nevada was 24.3 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 6.8 million hours, while hours worked during the third quarter were 7.1 million hours.

Total payroll for 1982 was \$557 million. Payments of \$117 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Nevada are based on a sample of about 1,100 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	<b>1982</b>													
	Construction Industries and subdividers and developers .....	5 600	3 956	24 344	2 347 369	3 317	3 297	195 107	2 283	659	24 344	2 152 262	1	1
15,16,17	Construction Industries <sup>1</sup> .....	5 419	3 833	23 704	2 253 262	3 203	3 178	162 569	2 216	655	23 704	2 090 693	2	1
15	General building contractors and operative builders .....	1 529	1 047	4 373	751 113	911	895	84 429	618	152	4 373	666 684	4	2
16	Heavy construction, general contractors ..	262	174	7 269	648 860	134	127	4 893	128	47	7 269	643 967	1	1
17	Special trade contractors .....	3 628	2 612	12 062	853 289	2 158	2 156	73 247	1 470	456	12 062	780 042	3	2
1711	Plumbing, heating, and air conditioning....	488	251	2 367	210 087	193	187	9 946	295	64	2 367	200 141	4	3
1731	Electrical work .....	345	199	1 812	138 056	168	168	7 374	177	31	1 812	130 682	5	3
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	176	122	637	94 101	114	119	32 538	62	(S)	637	61 563	9	8
	<b>1977</b>													
	Construction Industries and subdividers and developers .....	3 849	3 153	21 984	1 364 512	2 032	2 079	73 797	1 817	1 074	21 984	1 290 715	2	1
15,16,17	Construction Industries <sup>1</sup> .....	3 778	3 080	21 718	1 318 829	1 976	2 013	66 855	1 802	1 067	21 718	1 251 974	2	1
15	General building contractors and operative builders .....	1 150	924	5 080	511 043	480	495	41 869	670	429	5 080	469 174	5	3
16	Heavy construction, general contractors ..	194	136	4 961	274 898	104	103	1 978	90	33	4 961	272 920	1	1
17	Special trade contractors .....	2 434	2 021	11 677	532 888	1 392	1 415	23 008	1 042	606	11 677	509 880	2	2
1711	Plumbing, heating, and air conditioning....	327	184	1 898	114 165	127	129	3 091	200	55	1 898	111 074	5	3
1731	Electrical work .....	196	139	1 410	78 535	83	85	1 054	113	54	1 410	77 481	5	5
6552	Subdividers and developers, n.e.c. <sup>2</sup> .....	76	73	266	45 687	56	66	6 942	20	7	266	38 745	24	9

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size  
Class: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
1982													
The State -----	5 600	3 956	24 344	2 347 369	3 317	3 297	195 107	2 283	659	24 344	2 152 262	1	1
\$10,000,000 or more -----	29	4	8 026	(D)	1	2	(D)	28	2	8 026	965 491	(W)	(W)
\$5,000,000 to \$9,999,999 -----	40	3	1 910	(D)	1	1	(D)	39	2	1 910	249 585	(W)	(W)
\$2,500,000 to \$4,999,999 -----	72	11	2 435	1 476 944	6	8	34 947	66	3	2 435	226 921	(W)	(W)
\$1,000,000 to \$2,499,999 -----	213	53	3 695	327 601	27	27	41 335	186	26	3 695	286 266	4	5
\$500,000 to \$999,999 -----	286	74	2 848	193 895	24	19	17 060	262	55	2 848	176 835	6	6
\$250,000 to \$499,999 -----	409	151	2 048	144 605	60	63	20 313	349	88	2 048	124 292	8	8
\$100,000 to \$249,999 -----	715	355	1 966	115 191	186	185	27 379	529	170	1 966	87 812	10	8
\$50,000 to \$99,999 -----	628	401	789	44 666	279	278	19 692	349	123	789	24 974	11	10
\$25,000 to \$49,999 -----	666	529	318	23 628	478	468	16 689	188	61	318	6 939	14	12
Less than \$25,000 -----	2 540	2 374	307	20 836	2 255	2 246	17 692	285	128	307	3 144	10	10
\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	757	747	12 171	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	503	508	3 426	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	578	573	1 678	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	417	418	417	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
1977													
The State -----	3 849	3 153	21 984	1 364 512	2 032	2 079	73 797	1 817	1 074	21 984	1 290 715	2	1
\$10,000,000 or more -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> -----	34	5	6 096	501 200	-	-	-	34	5	6 096	501 200	(W)	(W)
\$2,500,000 to \$4,999,999 -----	60	8	2 654	(D)	2	3	(D)	58	5	2 654	195 612	2	3
\$1,000,000 to \$2,499,999 -----	174	43	4 642	469 244	8	9	19 517	166	34	4 642	254 115	2	4
\$500,000 to \$999,999 -----	227	91	2 835	151 816	18	20	11 587	209	71	2 835	140 229	5	6
\$250,000 to \$499,999 -----	312	171	2 373	106 755	15	15	5 357	297	156	2 373	101 398	7	8
\$100,000 to \$249,999 -----	488	447	1 943	76 717	63	78	9 350	425	369	1 943	67 367	11	10
\$50,000 to \$99,999 -----	423	350	912	30 258	120	122	8 229	303	228	912	22 029	22	15
\$25,000 to \$49,999 -----	439	393	398	15 567	228	243	7 906	211	150	398	7 661	20	19
Less than \$25,000 -----	1 693	1 647	(S)	12 957	1 578	1 589	11 851	(S)	(S)	(S)	(S)	-	-
\$10,000 to \$24,999 -----	541	527	(S)	8 960	504	513	7 854	(S)	(S)	(S)	(S)	-	-
\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	381	382	2 612	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	405	406	1 175	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 -----	(NA)	(NA)	(NA)	(NA)	288	288	210	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.  
<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	2 283	24 344	18 335	557 481	426 768	27 747	2 072 786	1 536 303
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	321	1 795	1 456	22 735	17 572	1 645	120 926	86 227
1522	Other residential buildings -----	60	(D)	410	15 011	10 048	684	115 115	53 540
1531	Operative builders -----	52	529	281	12 108	5 065	502	1100 940	35 492
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	40	223	158	4 047	2 374	194	33 813	16 052
1542	Nonresidential buildings, n.e.c. -----	145	1 324	1 003	31 668	23 053	1 388	273 532	104 046
16	Heavy construction general contractors:								
1611	Highway and street construction -----	62	1 535	1 360	41 305	36 019	2 353	175 061	131 035
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	5	(D)	(S)	(D)	(S)	(S)	(S)	(S)
1623	Water, sewer, and utility lines -----	36	539	437	13 568	10 009	756	55 610	48 448
1629	Heavy construction, n.e.c. -----	25	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	295	2 367	1 831	52 713	40 943	2 784	182 946	157 869
1721	Painting, paper hanging, and decorating -----	117	845	776	14 317	12 492	990	33 997	32 238
1731	Electrical work -----	177	1 812	1 486	45 992	38 363	2 097	128 972	125 493
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	86	531	473	7 774	6 688	604	23 624	22 773
1742	Plastering, drywall, and insulation work -----	116	1 314	1 126	21 743	18 024	1 229	58 347	54 364
1743	Terrazzo, tile, marble, and mosaic work -----	24	115	93	1 965	1 512	128	6 546	6 455
175	Carpentering and flooring:								
1751	Carpentering -----	118	729	632	11 591	10 319	770	39 103	36 711
1752	Floor laying and other floorwork -----	25	118	100	2 297	1 844	124	9 405	9 193
1761	Roofing and sheet metal work -----	92	708	593	13 160	10 115	709	44 706	43 946
1771	Concrete work -----	88	772	641	15 279	11 839	827	53 679	50 580
1781	Water well drilling -----	31	115	94	1 673	1 580	161	(D)	6 834
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	28	652	513	14 703	10 727	577	44 128	40 920
1793	Glass and glazing work -----	29	366	277	7 586	5 857	474	21 846	21 723
1794	Excavating and foundation work -----	98	614	527	11 972	10 106	765	41 309	37 030
1795	Wrecking and demolition work -----	*6	(D)	(S)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	12	139	107	4 114	3 515	154	9 867	9 555
1799	Special trade contractors, n.e.c. -----	128	(D)	(D)	(D)	(D)	937	41 837	(D)
6552	Subdividers and developers, n.e.c. -----	62	637	(S)	11 276	1 118	144	139 718	29 417

†Land receipts for SIC 1531 were \$11,783; for SIC 6552 were \$20,967.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
1 007 727	575 301	536 483	39 330	26 445	360 931	21 984	1 230 055	579 676	2	1	4	15,16, 17
49 948 43 538	39 553 (D)	34 699 81 575	1 403 763	1 733 2 180	15 722 9 255	2 343 818	103 685 75 088	38 213 21 621	7 —	7 3	17 3	152 1521 1522
25 131	(D)	65 448	1 406	559	8 836	896	131 532	26 347	7	5	4	1531
8 511 71 238	(D) 34 567	17 761 169 486	313 3 301	386 1 734	8 333 15 998	310 915	35 960 104 054	12 543 27 169	18 5	14 2	22 7	154 1541 1542
76 472	58 098	44 026	7 998	4 967	115 806	1 230	81 253	44 740	3	2	3	1611
(S) 28 407 (D)	(S) 20 802 (D)	(S) 7 162 (D)	(S) 2 342 (D)	(D) 1 153 759	(S) 17 401 4 351	(D) 623 (D)	(D) 45 245 (D)	(D) 25 406 (D)	— 8 —	— 4 —	— 5 32	162 1622 1623 1629
105 279	69 785	25 077	2 603	3 097	25 987	1 898	108 916	57 494	4	3	8	1711
23 540	(D)	1 759	653	729	4 739	951	24 562	18 208	6	7	16	1721
79 131	48 071	3 479	1 408	1 747	14 787	1 410	77 272	43 802	5	3	5	1731
13 452 35 402 3 974	9 333 20 146 2 622	851 3 983 *91	278 923 107	231 759 52	4 429 8 257 670	508 1 288 219	23 800 40 525 5 890	13 466 24 202 3 504	17 8 23	11 6 28	32 17 29	174 1741 1742 1743
22 717 4 845	(D) 4 656	2 391 211	382 32	380 (D)	3 648 803	1 069 230	28 601 10 096	17 577 4 681	18 24	24 24	22 —	175 1751 1752
24 830	19 275	759	847	765	6 186	751	34 748	15 801	8	5	23	1761
30 949	19 833	3 099	1 428	1 236	18 240	1 164	49 271	28 875	9	6	4	1771
3 600	3 831	(D)	22	212	8 266	158	9 176	5 582	25	29	5	1781
30 363 12 798 30 287 (D) 7 655 (D)	(D) 11 152 8 863 (S) 1 900 (D)	3 208 *123 4 278 (D) 311 (D)	975 573 4 371 (S) 98 (D)	720 155 1 736 (S) 109 (D)	7 540 2 544 28 070 (S) 1 356 3 915	167 269 497 (D) 73 1 016	6 154 13 872 21 683 (D) 3 569 41 325	5 111 6 552 18 065 (D) 3 068 23 127	10 11 8 — 2 —	7 8 7 — 4 —	9 (W) 7 — (W) —	179 1791 1793 1794 1795 1796 1799
21 860	8 435	10 301	87	702	27 418	266	17 979	(D)	9	9	40	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	2 283	1 817	1 498	1 136	3	5	6	7
Number of establishments in business at end of year .....	2 221	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners .....	659	1 074	922	859	8	9	8	10
All employees** .....	24 344	21 984	18 322	12 446	1	2	3	2
Construction workers:								
March .....	18 196	16 174	13 263	8 486	2	2	3	2
May .....	18 356	18 062	14 285	9 588	2	2	3	2
August .....	18 590	19 165	14 299	10 488	2	2	3	2
November .....	17 213	20 191	14 382	9 967	3	2	3	3
Average .....	18 335	18 413	14 248	9 677	2	2	3	2
Other employees:								
March .....	5 992	3 480	4 038	2 684	1	3	2	3
Construction worker hours (thousands):								
January to March .....	6 762	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
April to June .....	7 166	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
July to September .....	7 136	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December .....	6 682	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked .....	27 747	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	557 481	324 001	215 860	119 664	1	1	2	1
Payroll, construction workers .....	426 768	261 267	157 920	95 054	1	1	2	1
Payroll, other employees .....	130 713	62 734	57 940	24 709	1	1	2	1
First quarter payroll, all employees .....	131 519	67 576	(NA)	(NA)	1	1	(NA)	(NA)
Employer costs for fringe benefits .....	116 590	75 808	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures .....	75 830	36 597	(NA)	(NA)	1	1	(NA)	(NA)
Voluntary expenditures .....	40 759	39 211	(NA)	(NA)	1	1	(NA)	(NA)
All business receipts .....	2 152 262	1 290 715	747 701	356 343	1	1	3	2
Total construction receipts .....	2 072 786	1 230 055	669 505	323 059	1	1	3	2
Receipts for work subcontracted in from others .....	492 363	425 594	177 606	60 648	2	2	4	4
Land receipts <sup>1</sup> .....	32 750	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
Other business receipts .....	46 725	60 660	78 196	33 298	2	2	9	2
Net construction receipts† .....	1 536 303	940 533	500 075	259 493	1	1	3	2
Value added†† .....	1 007 727	579 176	350 113	194 223	1	1	3	2
Selected payments .....	1 111 785	675 173	365 250	155 941	1	2	3	2
Materials, components, and supplies <sup>2</sup> .....	525 739	363 864	196 064	92 443	1	1	3	2
Construction work subcontracted to others .....	536 483	289 522	169 430	63 565	1	2	3	3
Selected power, fuels, and lubricants .....	49 561	21 787	(NA)	(NA)	2	1	(NA)	(NA)
Electricity .....	11 479	4 611	(NA)	(NA)	1	2	(NA)	(NA)
Natural gas .....	1 380	1 020	(NA)	(NA)	5	5	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	34 417	13 489	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases .....	2 284	2 667	(NA)	(NA)	6	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	2 344	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	39 330	19 351	(NA)	(NA)	2	4	(NA)	(NA)
For machinery and equipment .....	29 705	16 455	8 685	4 677	2	5	4	3
For structures .....	9 625	2 896	(NA)	(NA)	3	3	(NA)	(NA)
Selected purchased services .....	37 066	21 848	(NA)	(NA)	2	2	(NA)	(NA)
Communication services .....	9 387	5 748	(NA)	(NA)	3	2	(NA)	(NA)
Repairs to structures and related facilities .....	1 242	827	(NA)	(NA)	6	6	(NA)	(NA)
Repairs to machinery and equipment .....	26 437	15 272	(NA)	(NA)	2	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	2 072 786	1 230 055	669 505	323 059	1	1	3	2
Government owned .....	663 596	286 344	197 512	167 857	2	1	2	5
Privately owned .....	1 409 190	943 711	471 993	155 202	2	2	3	3

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
STRUCTURES, MACHINERY, AND EQUIPMENT								
Beginning-of-year gross book value of depreciable assets -----	357 868	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	26 445	30 769	15 010	4 214	4	3	6	6
New -----	17 666	23 981	11 108	3 011	5	3	7	7
Used -----	8 779	6 788	3 992	1 203	6	7	9	7
Retirements and disposition of depreciable assets -----	23 383	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	360 931	433 666	85 596	(NA)	2	1	6	(NA)
Depreciation charges during year -----	41 983	23 998	8 963	(NA)	3	2	5	(NA)
Structures, Additions, and Related Facilities								
Beginning-of-year gross book value of depreciable assets -----	70 442	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	3 828	3 466	3 322	633	12	13	16	25
New structures and related facilities -----	3 537	2 887	2 512	360	13	12	17	32
Used structures and related facilities -----	291	579	810	273	11	15	15	19
Retirements and disposition of depreciable assets -----	10 417	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	63 853	224 616	17 594	(NA)	4	1	16	(NA)
Depreciation charges during year -----	4 430	9 096	1 027	(NA)	4	1	4	(NA)
Machinery and Equipment								
Beginning-of-year gross book value of depreciable assets -----	287 426	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	22 616	27 302	11 688	3 581	4	5	8	6
New machinery and equipment, including automobiles and trucks -----	14 129	21 093	8 506	2 651	5	3	6	6
New automobiles and trucks, intended primarily for highway use -----	4 565	7 526	(NA)	(NA)	6	3	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	8 487	6 209	3 182	930	6	7	11	6
Retirements and disposition of depreciable assets -----	12 965	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	297 078	209 050	68 002	(NA)	2	1	6	(NA)
Depreciation charges during year -----	37 553	14 902	7 936	(NA)	4	2	5	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	2 283	3
Total construction receipts .....	2 072 786	1
<b>Establishments with inventories:</b>		
Number .....	623	11
Total construction receipts .....	690 304	1
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	43 233	4
Value for establishments with LIFO reserve .....	1 430	14
Amount of LIFO reserve .....	857	20
Value for establishments with no LIFO reserve .....	41 803	3
End of 1981, total .....	37 098	6
Value for establishments with LIFO reserve .....	1 011	17
Amount of LIFO reserve .....	531	27
Value for establishments with no LIFO reserve .....	36 087	6
<b>Establishments with no inventories:</b>		
Number .....	1 660	3
Total construction receipts .....	1 382 482	2

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments .....	2 283	1 357	445	270	156	37	13	3	1	1
All employees** .....	24 344	2 756	2 865	3 665	4 620	2 469	1 852	6 116	(D)	(D)
Payroll, all employees .....	557 481	32 716	45 313	72 563	105 464	63 252	47 421	190 750	(D)	(D)
Construction worker hours (thousands) .....	27 747	2 808	2 855	4 008	5 074	2 997	2 310	7 693	(D)	(D)
All business receipts .....	2 152 262	172 651	182 633	302 634	1 494 343	(D)	(D)	(D)	(D)	(D)
Total construction receipts .....	2 072 786	168 283	174 867	287 343	496 702	248 943	198 797	497 851	(D)	(D)
Net construction receipts† .....	1 536 303	134 660	137 702	219 132	333 763	182 796	121 827	406 422	(D)	(D)
Value added†† .....	1 007 727	84 682	84 563	133 317	207 734	145 871	83 799	267 758	(D)	(D)
Payments for materials, components, supplies, and fuels .....	575 301	52 236	56 782	95 391	136 599	54 092	41 536	138 663	(D)	(D)
Payments for construction work subcontracted to others .....	536 483	33 622	37 165	68 211	162 938	66 147	76 970	91 429	(D)	(D)
Rental payments for machinery, equipment, and structures .....	39 330	2 323	4 417	5 062	9 975	6 580	10 972	(D)	(D)	(D)
Capital expenditures, other than land .....	26 445	3 105	4 169	3 607	5 420	5 120	2 418	2 605	(D)	(D)
End-of-year gross book value of depreciable assets .....	360 931	33 501	46 295	59 021	76 774	61 960	83 378	(D)	(D)	(D)
<b>1977</b>										
All employees** .....	21 984	1 896	2 930	3 370	4 813	3 268	1 889	3 818	(D)	(D)
Total construction receipts .....	1 230 055	90 820	139 477	204 279	271 746	252 446	271 287	(D)	(D)	(D)
Value added†† .....	579 176	41 673	65 213	103 144	130 987	87 902	150 258	(D)	(D)	(D)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	1	5	7	5	4	(W)	(W)	(W)	-	-
Net construction receipts† .....	1	6	7	4	3	(W)	(W)	(W)	-	-
Capital expenditures, other than land .....	4	20	19	6	4	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	2 283	285	188	349	529	349	262	186	66	39	28
All employees** -----	24 344	307	318	789	1 966	2 048	2 848	3 695	2 435	1 910	8 026
Payroll, all employees -----	557 481	984	2 060	6 338	23 194	31 574	50 020	78 813	56 010	53 697	254 789
Construction worker hours (thousands) -----	27 747	269	260	688	1 790	2 111	2 999	4 099	2 647	2 489	10 392
All business receipts -----	2 152 262	3 144	6 939	24 974	87 812	124 292	176 835	286 266	226 921	249 585	965 491
Total construction receipts -----	2 072 786	3 102	6 756	24 525	85 803	119 141	170 864	274 314	219 355	240 516	928 408
Net construction receipts† -----	1 536 303	2 873	6 078	21 676	75 497	100 188	145 857	227 997	168 236	172 419	615 480
Value added†† -----	1 007 727	1 777	3 681	12 856	46 003	62 845	88 757	137 695	109 232	118 132	426 745
Payments for materials, components, supplies, and fuels -----	575 301	1 113	2 459	9 084	30 348	40 637	61 119	97 630	65 175	61 344	206 388
Payments for construction work subcontracted to others -----	536 483	228	678	2 849	10 306	18 952	25 007	46 317	51 119	68 097	312 928
Rental payments for machinery, equipment, and structures -----	39 330	*49	97	596	1 565	2 087	3 728	4 870	4 108	9 405	12 822
Capital expenditures, other than land -----	26 445	*31	*144	627	1 648	2 739	3 031	3 877	2 601	4 259	7 486
End-of-year gross book value of depreciable assets -----	360 931	1 363	1 906	6 357	21 110	28 091	42 397	54 866	31 783	59 893	113 162
1977											
All employees** -----	21 984	(S)	398	912	1 943	2 373	2 835	4 642	2 654	*6 096	(NA)
Total construction receipts -----	1 230 055	(S)	7 307	21 375	65 075	99 238	136 801	247 765	189 640	*461 779	(NA)
Value added†† -----	579 176	(S)	4 170	10 030	32 918	52 397	69 009	129 445	91 553	*189 056	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	1	10	14	11	10	8	6	4	(W)	(W)	(W)
Net construction receipts† -----	1	11	14	10	8	8	6	4	(W)	(W)	(W)
Capital expenditures, other than land -----	4	56	49	28	27	26	15	12	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b> .....	<b>2 072 786</b>	<b>1 723 728</b>	<b>349 058</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>Building construction</b> .....	<b>1 208 787</b>	<b>1 048 308</b>	<b>160 479</b>	<b>1</b>	<b>1</b>	<b>3</b>
Single-family houses .....	347 441	296 569	50 872	3	3	4
Single-family houses, detached .....	281 770	241 152	40 618	4	4	5
Single-family houses, attached .....	65 670	55 416	10 253	5	5	7
Apartment buildings with two or more apartments .....	86 136	71 690	14 445	11	11	21
Other residential buildings .....	182 872	158 893	23 978	1	1	3
Office and bank buildings .....	137 323	122 629	14 693	2	2	6
Office buildings .....	105 277	93 462	11 814	2	2	8
Bank buildings and other financial institutions .....	32 045	29 166	2 879	3	3	7
Farm buildings .....	13 053	12 925	*128	4	4	43
Industrial buildings and warehouses .....	132 619	115 967	16 651	3	4	4
Industrial buildings .....	99 847	86 196	13 651	4	5	4
Warehouses .....	32 772	29 771	3 000	3	3	11
Stores, restaurants, public garages, and automobile service stations .....	119 232	101 560	17 672	3	2	11
Religious buildings .....	6 644	4 487	2 156	5	6	8
Educational buildings .....	49 605	43 052	6 553	3	2	8
Hospitals and institutional buildings .....	89 645	85 613	4 031	2	1	5
Amusement, social, and recreational buildings .....	32 675	25 033	7 641	5	4	11
Other nonresidential buildings .....	11 537	9 884	1 652	15	18	9
<b>Nonbuilding construction</b> .....	<b>706 798</b>	<b>547 282</b>	<b>159 516</b>	<b>1</b>	<b>1</b>	<b>2</b>
Highways, streets, and related facilities .....	172 997	152 465	20 531	2	1	12
Outdoor swimming pools .....	2 548	2 248	300	12	14	(W)
Parking areas .....	*3 163	*2 710	*452	45	52	49
Fencing .....	5 558	5 317	240	18	19	19
Power and communication transmission lines, towers, and related facilities .....	15 642	14 162	1 479	6	6	21
Sewers, water mains, and related facilities .....	64 332	58 493	5 838	4	4	12
Sewers, sewer lines, and related facilities .....	30 789	28 939	1 850	6	6	15
Water mains and related facilities .....	33 542	29 553	3 988	6	6	16
Pipeline, other than sewer or water lines .....	4 154	4 154	-	7	7	-
Other nonbuilding construction .....	438 405	307 730	130 668	25	29	31
<b>Construction work, n.s.k.</b> .....	<b>157 200</b>	<b>128 138</b>	<b>29 062</b>	<b>4</b>	<b>4</b>	<b>6</b>
<b>1977</b>						
<b>Total construction receipts†</b> .....	<b>1 230 055</b>	<b>1 122 397</b>	<b>107 658</b>	<b>1</b>	<b>1</b>	<b>4</b>
<b>Building construction</b> .....	<b>853 552</b>	<b>768 647</b>	<b>84 905</b>	<b>2</b>	<b>2</b>	<b>3</b>
Single-family houses .....	372 492	346 866	25 626	3	3	7
Apartment buildings with two or more apartments .....	72 781	63 059	9 722	5	6	6
Other residential buildings .....	132 194	118 823	13 371	1	(W)	6
Office and bank buildings .....	40 675	35 382	5 293	6	6	13
Industrial buildings and warehouses .....	98 232	88 900	9 332	3	3	11
Stores, restaurants, public garages, and automobile service stations .....	59 541	50 013	9 528	5	6	6
Religious buildings .....	4 679	3 561	1 118	12	14	24
Educational buildings .....	17 901	16 460	1 441	5	6	9
Hospitals and institutional buildings .....	24 330	19 542	4 788	3	4	4
Amusement, social, and recreational buildings .....	25 211	21 366	3 845	6	7	10
Other nonresidential buildings .....	5 516	4 676	840	6	4	27
<b>Nonbuilding construction</b> .....	<b>309 962</b>	<b>293 869</b>	<b>16 093</b>	<b>1</b>	<b>1</b>	<b>4</b>
Highways, streets, and related facilities .....	84 419	76 151	8 268	5	5	3
Outdoor swimming pools .....	18 863	18 645	218	13	13	26
Bridges, tunnels, and elevated highways .....	(D)	(D)	(D)	-	-	-
Power and communication transmission lines, towers, and related facilities .....	(D)	(D)	(D)	-	-	-
Sewers, water mains, and related facilities .....	38 152	(D)	(D)	3	-	-
Other nonbuilding construction .....	152 339	146 903	5 436	1	1	10
<b>Construction work, n.s.k.</b> .....	<b>66 551</b>	<b>59 892</b>	<b>6 659</b>	<b>5</b>	<b>6</b>	<b>6</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers-----</b>	<b>2 283</b>	<b>18 335</b>	<b>27 747</b>	<b>18 196</b>	<b>6 762</b>	<b>18 356</b>	<b>7 166</b>
15,16, 17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses -----	321	1 456	1 645	1 470	409	1 451	412
1522	Other residential buildings -----	60	410	684	487	210	414	176
1531	Operative builders -----	52	281	502	245	105	286	129
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	40	158	194	158	50	148	47
1542	Nonresidential buildings, n.e.c. -----	145	1 003	1 388	1 182	426	919	337
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction -----	62	1 360	2 353	1 185	482	1 444	644
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	5	(S)	(S)	(S)	(S)	(S)	(S)
1623	Water, sewer, and utility lines -----	36	437	756	400	150	435	203
1629	Heavy construction, n.e.c. -----	25	(D)	(D)	(D)	(D)	(D)	(D)
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning -----	295	1 831	2 784	1 836	719	1 898	731
1721	Painting, paper hanging, and decorating ----	117	776	990	704	223	827	275
1731	Electrical work -----	177	1 486	2 097	1 484	532	1 507	556
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	86	473	604	466	152	507	162
1742	Plastering, drywall, and insulation work ----	116	1 126	1 229	1 255	307	1 194	338
1743	Terrazzo, tile, marble, and mosaic work ----	24	93	128	78	28	93	33
175	Carpentering and flooring:							
1751	Carpentering -----	118	632	770	569	155	475	165
1752	Floor laying and other floorwork -----	25	100	124	99	33	114	32
1761	Roofing and sheet metal work -----	92	593	709	519	151	567	169
1771	Concrete work -----	88	641	827	596	185	576	213
1781	Water well drilling -----	31	94	161	86	38	90	41
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	28	513	577	655	169	505	140
1793	Glass and glazing work -----	29	277	474	293	136	266	107
1794	Excavating and foundation work -----	98	527	765	508	179	578	220
1795	Wrecking and demolition work -----	*6	(S)	(D)	(S)	(D)	(S)	(D)
1796	Installing building equipment, n.e.c. -----	12	107	154	112	45	94	35
1799	Special trade contractors, n.e.c. -----	128	(D)	937	(D)	(D)	(D)	(D)
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>62</b>	<b>(S)</b>	<b>144</b>	<b>94</b>	<b>32</b>	<b>100</b>	<b>35</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
18 590	7 136	17 213	6 682	2	2	2	1	2	1	2	2	3	2	15,16, 17
														15
1 341 394	409 158	1 495 320	414 138	8 8	8 7	10 10	11 8	7 7	10 9	7 17	10 15	12 7	11 11	152 1521 1522
264	122	307	145	9	9	5	7	5	6	6	6	26	28	1531
168 973	56 324	125 869	40 299	19 5	17 4	20 6	23 6	20 4	29 5	18 6	27 7	19 5	23 6	154 1541 1542
														16
1 469	682	1 307	544	3	3	4	5	2	3	2	3	3	3	1611
														162
(S) 486 (D)	(S) 197 (D)	(S) 431 (D)	(S) 205 (D)	- 7 -	- 4 -	- 7 -	- 7 -	- 6 -	- 4 -	- 7 -	- 5 -	- 11 -	- 7 -	1622 1623 1629
														17
1 784	681	1 675	651	5	5	4	6	5	6	5	6	5	7	1711
762	245	733	246	6	7	7	9	8	11	6	10	5	9	1721
1 507	533	1 351	475	6	4	6	5	6	5	7	6	7	6	1731
														174
508 1 172 93	152 328 32	418 798 100	137 255 35	17 7 23	18 6 26	17 6 23	24 8 35	17 8 24	21 8 34	20 9 23	22 8 35	18 8 24	21 9 34	1741 1742 1743
724 93	221 30	709 86	228 27	20 27	20 23	11 22	14 33	12 29	15 31	32 26	32 34	33 31	31 35	175 1751 1752
650	195	598	193	8	8	11	13	10	11	7	9	7	11	1761
712	228	610	199	9	8	9	12	10	11	11	11	9	10	1771
101	48	83	33	24	27	23	34	25	33	24	31	25	36	1781
462 272 506 (S) 100 (D)	147 107 200 (D) 36 (D)	420 265 464 (S) 117 (D)	120 122 164 (D) 37 (D)	11 13 9 2 -	6 11 9 - 11	8 12 9 2 -	9 11 11 2 -	12 14 10 3 -	8 15 11 4 -	9 12 8 3 -	7 14 10 - 3 -	15 13 10 - 2 -	9 12 13 - 3 -	179 1791 1793 1794 1795 1796 1799
104	30	121	45	-	27	28	38	28	38	28	39	30	38	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers -----</b>	<b>10.7</b>	<b>22.9</b>	<b>1.5</b>	<b>113.1</b>	<b>.269</b>	<b>.278</b>	<b>.259</b>	<b>.013</b>	<b>.019</b>
15,16, 17	<b>Construction industries:</b>									
15	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	5.6	12.7	1.1	83.1	.188	.327	.287	.014	.012
1522	Other residential buildings -----	(D)	(D)	1.7	(D)	.130	(D)	.535	.019	.007
1531	Operative builders -----	10.2	22.9	1.8	359.2	.120	(D)	.648	.006	.014
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	5.6	18.1	1.2	214.0	.120	(D)	.525	.011	.009
1542	Nonresidential buildings, n.e.c. -----	9.1	23.9	1.4	272.7	.116	.126	.620	.006	.012
16	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	24.8	26.9	1.7	128.7	.236	.332	.251	.028	.046
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	(D)	(D)	(S)	(D)	(D)	(S)	(S)	(D)	(S)
1623	Water, sewer, and utility lines -----	15.0	25.2	1.7	127.3	.244	.374	.129	.021	.042
1629	Heavy construction, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
17	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	8.0	22.3	1.5	99.9	.288	.381	.137	.017	.014
1721	Painting, paper hanging, and decorating -----	7.2	16.9	1.3	43.8	.421	(D)	.052	.021	.019
1731	Electrical work -----	10.2	25.4	1.4	86.8	.357	.373	.027	.014	.011
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.2	14.6	1.3	49.9	.329	.395	.036	.010	.012
1742	Plastering, drywall, and insulation work -----	11.3	16.5	1.1	51.8	.373	.345	.068	.013	.016
1743	Terrazzo, tile, marble, and mosaic work -----	4.8	17.1	1.4	70.4	.300	.401	.014	.008	.016
175	Carpentering and flooring:									
1751	Carpentering -----	6.2	15.9	1.2	61.9	.296	(D)	.061	.010	.010
1752	Floor laying and other floorwork -----	4.7	19.5	1.2	94.0	.244	.495	.022	(D)	.003
1761	Roofing and sheet metal work -----	7.7	18.6	1.2	75.4	.294	.431	.017	.017	.019
1771	Concrete work -----	8.8	19.8	1.3	83.7	.285	.369	.058	.023	.027
1781	Water well drilling -----	3.7	14.5	1.7	(D)	(D)	(D)	(D)	(D)	(D)
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	23.3	22.6	1.1	86.0	.333	(D)	.073	.016	.022
1793	Glass and glazing work -----	12.6	20.7	1.7	78.9	.347	.510	.006	.007	.026
1794	Excavating and foundation work -----	6.3	19.5	1.5	78.4	.290	.215	.104	.042	.106
1795	Wrecking and demolition work -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	11.6	29.6	1.4	92.2	.417	.193	.032	.011	.010
1799	Special trade contractors, n.e.c. -----	(D)	(D)	(D)	(D)	(D)	.396	(D)	(D)	(D)
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>10.3</b>	<b>17.7</b>	<b>(S)</b>	<b>371.2</b>	<b>.284</b>	<b>.212</b>	<b>.259</b>	<b>.018</b>	<b>.002</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Not applicable]

# New Mexico

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-- Not applicable.



# SUMMARY OF FINDINGS

During 1982, 8,405 establishments in New Mexico operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.0 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 4,909 establishments in this State with no payroll accounted for about 10 percent of all business receipts for all construction establishments in New Mexico. On the other hand, 3,496 establishments classified as "employers" accounted for 90 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.8 billion, of which \$1.7 billion were receipts for construction work. These establishments paid \$374 million for construction work subcontracted to others, leaving net construction receipts of about \$1.4 billion. Value added for these establishments amounted to \$847 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in New Mexico paid \$537 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$47.6 million were also made for selected power,

fuels, and lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in New Mexico was 30.4 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 9.2 million hours, while hours worked during the third quarter were 10.4 million hours.

Total payroll for 1982 was \$453 million. Payments of \$84.5 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for New Mexico are based on a sample of about 1,425 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
15,16,17	Construction Industries and subdividers and developers-----	8 405	6 383	30 390	2 027 490	4 909	4 945	203 557	3 496	1 438	30 390	1 823 933	2	2
	Construction Industries <sup>1</sup> -----	8 183	6 173	30 063	1 983 413	4 723	4 737	177 931	3 460	1 436	30 063	1 805 482	2	2
15	General building contractors and operative builders -----	2 016	1 246	9 398	809 662	783	752	62 529	1 233	494	9 398	747 133	3	3
16	Heavy construction, general contractors -	330	202	5 830	378 522	143	143	9 664	187	59	5 830	368 858	2	2
17	Special trade contractors -----	5 837	4 725	14 835	795 229	3 797	3 842	105 738	2 040	883	14 835	689 491	3	3
1711	Plumbing, heating, and air conditioning----	783	530	3 079	187 635	328	338	14 207	455	192	3 079	173 428	6	5
1731	Electrical work -----	641	424	2 752	149 305	287	286	10 494	354	138	2 752	138 811	5	5
6552	Subdividers and developers, n.e.c. <sup>2</sup> -----	217	208	323	44 073	186	208	25 626	31	-	323	18 447	21	27
	1977													
15,16,17	Construction Industries and subdividers and developers-----	6 435	5 380	30 032	1 312 607	3 060	3 110	84 387	3 375	2 270	30 032	1 228 220	2	2
	Construction Industries <sup>1</sup> -----	6 349	5 288	29 781	1 287 814	2 986	3 019	76 012	3 363	2 269	29 781	1 211 802	2	2
15	General building contractors and operative builders -----	1 801	1 319	10 018	558 690	519	519	37 276	1 282	800	10 018	521 414	4	3
16	Heavy construction, general contractors -	275	157	6 943	283 718	63	68	1 678	212	89	6 943	282 040	2	2
17	Special trade contractors -----	4 273	3 812	12 820	445 406	2 404	2 432	37 058	1 869	1 380	12 820	408 348	3	3
1711	Plumbing, heating, and air conditioning----	651	491	2 641	110 289	234	239	5 862	417	252	2 641	104 427	7	5
1731	Electrical work -----	445	321	2 369	85 842	152	153	2 213	293	168	2 369	83 629	9	7
6552	Subdividers and developers, n.e.c. <sup>2</sup> -----	89	92	1 252	24 796	74	91	8 375	15	1	1 252	16 421	17	26

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size  
Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
<b>The State</b> .....	8 405	6 383	30 390	2 027 490	4 909	4 945	203 557	3 496	1 438	30 390	1 823 933	2	2
\$10,000,000 or more .....	18	-	4 710	(D)	-	-	-	18	-	4 710	(D)	(W)	-
\$5,000,000 to \$9,999,999 .....	42	6	2 621	(D)	2	2	(D)	40	4	2 621	660 466	(W)	(W)
\$2,500,000 to \$4,999,999 .....	70	5	3 067	(D)	-	-	-	70	5	3 067	241 562	(W)	(W)
\$1,000,000 to \$2,499,999 .....	225	25	5 025	1 252 743	13	16	34 296	212	9	5 025	316 419	3	4
\$500,000 to \$999,999 .....	368	125	4 546	254 754	30	34	20 797	338	91	4 546	233 957	6	7
 \$250,000 to \$499,999 .....	535	220	3 654	192 621	75	75	25 858	460	145	3 654	166 763	8	8
\$100,000 to \$249,999 .....	1 102	672	3 893	178 135	283	288	43 306	819	384	3 893	134 829	8	7
\$50,000 to \$99,999 .....	1 086	788	1 592	78 449	422	435	29 245	664	353	1 592	49 204	9	6
\$25,000 to \$49,999 .....	1 059	910	720	38 255	675	692	23 777	384	218	720	14 478	11	10
 Less than \$25,000 .....	3 899	3 631	561	32 530	3 409	3 403	26 278	490	228	561	6 252	8	9
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	1 128	1 136	17 775	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	821	818	5 533	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	820	814	2 330	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	640	635	640	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
<b>The State</b> .....	6 435	5 380	30 032	1 312 607	3 060	3 110	84 387	3 375	2 270	30 032	1 228 220	-	2
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	29	4	6 583	(D)	1	-	(D)	28	4	6 583	336 058	(W)	(W)
\$2,500,000 to \$4,999,999 .....	50	6	2 960	(D)	1	-	(D)	49	6	2 960	161 823	1	3
\$1,000,000 to \$2,499,999 .....	143	31	3 900	725 531	7	6	22 111	136	25	3 900	205 539	1	4
\$500,000 to \$999,999 .....	256	90	4 048	174 430	13	11	8 891	243	79	4 048	165 539	6	6
 \$250,000 to \$499,999 .....	455	219	4 294	162 273	19	18	6 119	436	201	4 294	156 154	6	8
\$100,000 to \$249,999 .....	924	729	4 499	148 158	65	66	10 033	859	663	4 499	138 125	7	7
\$50,000 to \$99,999 .....	718	543	1 979	51 309	125	133	8 500	593	410	1 979	42 809	12	10
\$25,000 to \$49,999 .....	757	725	884	26 128	320	334	11 168	437	391	884	14 960	16	14
 Less than \$25,000 .....	3 104	3 033	(S)	49 558	2 509	2 542	17 565	(S)	(S)	(S)	14 428	-	15
\$10,000 to \$24,999 .....	1 124	1 086	597	(D)	719	732	11 047	405	354	597	(D)	18	-
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	629	640	4 281	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	657	666	1 895	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	504	504	342	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction industries and subdividers and developers -----	3 496	30 390	25 156	453 335	359 365	38 958	1 734 554	1 360 448
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	676	3 159	2 761	30 777	25 588	3 623	155 897	116 508
1522	Other residential buildings -----	78	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders -----	183	1 106	683	14 165	7 125	937	188 020	55 154
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	54	921	744	13 787	10 221	1 074	87 363	47 116
1542	Nonresidential buildings, n.e.c. -----	242	4 024	3 160	76 284	58 419	5 225	338 223	181 829
16	Heavy construction general contractors:								
1611	Highway and street construction -----	84	2 277	2 004	37 913	31 313	3 603	177 444	155 131
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	62	2 315	2 034	40 415	33 281	3 929	120 830	111 603
1629	Heavy construction, n.e.c. -----	39	1 186	1 044	25 018	22 005	1 765	60 908	55 467
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning -----	455	3 079	2 410	46 052	35 984	3 731	168 361	147 550
1721	Painting, paper hanging, and decorating -----	135	981	889	10 341	9 106	1 214	24 971	24 323
1731	Electrical work -----	354	2 752	2 236	50 985	40 981	3 691	135 494	128 466
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	114	644	586	6 695	6 241	697	22 561	22 101
1742	Plastering, drywall, and insulation work -----	154	1 720	1 450	21 354	17 722	1 727	66 714	62 174
1743	Terrazzo, tile, marble, and mosaic work -----	31	*286	*242	2 509	1 762	220	6 692	6 609
175	Carpentering and flooring:								
1751	Carpentering -----	130	760	689	7 001	6 107	995	28 639	24 467
1752	Floor laying and other floorwork -----	51	171	143	1 518	1 133	117	6 686	6 439
1761	Roofing and sheet metal work -----	106	1 030	871	12 816	10 300	1 304	44 621	43 203
1771	Concrete work -----	143	1 001	914	11 918	10 385	1 197	43 968	38 970
1781	Water well drilling -----	67	171	153	1 964	1 764	181	8 362	8 263
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	13	237	209	4 822	4 191	325	11 395	9 804
1793	Glass and glazing work -----	21	108	74	1 755	1 099	114	5 450	5 395
1794	Excavating and foundation work -----	120	960	784	14 282	10 258	1 350	48 490	45 982
1795	Wrecking and demolition work -----	*6	(D)	18	(D)	*246	*41	*766	(D)
1796	Installing building equipment, n.e.c. -----	13	171	145	4 035	3 395	218	11 012	(D)
1799	Special trade contractors, n.e.c. -----	127	744	(D)	9 267	(D)	(D)	(D)	31 473
6552	Subdividers and developers, n.e.c. -----	31	323	*108	3 672	1 006	*221	110 861	8 439

†Land receipts for SIC 1531 were \$11,570; for SIC 6552 were \$6,478.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
848 845	584 933	374 186	31 043	50 212	483 878	30 032	1 180 749	555 831	2	2	3	15,16, 17
												15
64 290 (D)	54 628 (S)	39 388 (S)	2 240 (S)	3 639 (S)	26 574 (S)	4 173 305	167 838 19 165	56 123 7 263	7 -	6 -	12 -	152 1521 1522
34 625	22 691	32 886	533	1 223	12 296	2 029	120 949	33 070	10	10	22	1531
24 113 129 901	24 078 (D)	40 247 156 384	686 1 919	1 012 7 767	7 949 100 010	407 3 104	17 840 176 229	7 342 58 706	10 3	7 2	6 2	154 1541 1542
												16
93 515	66 241	22 313	6 600	9 528	99 932	2 858	133 046	84 964	5	3	(W)	1611
(D)	(D)	(D)	(D)	(D)	(D)	190	(D)	(D)	-	-	-	162 1622
82 133 40 549	31 041 15 497	9 227 5 441	5 535 2 100	5 617 4 093	54 924 22 386	1 888 2 007	72 583 57 696	43 964 32 647	2 2	2 2	(W) 2	1623 1629
												17
79 865	72 752	20 811	1 778	2 834	28 422	2 641	100 017	50 127	6	6	8	1711
17 912	6 449	648	321	310	4 023	771	16 814	11 427	14	11	28	1721
62 797	68 986	7 028	1 151	3 825	24 313	2 369	82 364	45 015	5	5	12	1731
13 634 43 408 4 104	8 536 21 436 3 637	488 4 540 83	304 717 73	418 981 205	5 119 7 372 1 376	640 1 467 192	16 840 35 547 3 303	10 278 19 686 2 766	17 10 41	17 7 25	19 17 28	174 1741 1742 1743
11 901 3 649	12 795 2 794	4 172 *247	309 *75	275 87	3 115 1 189	712 277	10 955 8 610	7 410 4 858	15 28	17 32	21 33	175 1751 1752
24 406	20 583	1 418	732	871	7 391	1 156	32 736	17 220	9	7	17	1761
23 589	17 425	4 988	929	1 426	13 591	889	31 776	16 176	13	13	9	1771
4 879	3 390	*98	57	266	3 099	239	8 995	4 695	21	25	26	1781
8 357 2 768 37 429 *725 8 400 19 544	(D) 3 398 10 232 *130 1 723 13 676	1 581 55 2 587 (D) 19 (D) 139 (D) 682	(D) 87 2 879 19 (D) 139 682	(D) *27 3 314 19 (D) 803	3 186 555 33 176 759 1 118 10 559	(D) 141 323 59 (D) 783	(D) 4 812 13 420 1 064 2 403 18 562	(D) 2 642 8 137 1 075 1 859 12 647	8 24 9 - 3 15	8 19 8 - - 17	- 41 10 (W) - - 18	179 1791 1793 1794 1795 1796 1799
7 272	2 274	2 482	293	425	7 263	252	9 211	6 026	21	28	30	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	3 496	3 375	2 336	2 191	3	4	5	4
Number of establishments in business at end of year .....	3 388	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners .....	1 438	2 270	1 609	1 725	5	7	7	8
All employees** .....	30 390	30 032	23 787	15 226	2	2	5	2
Construction workers:								
March .....	23 785	23 801	17 866	11 774	2	2	3	2
May .....	24 551	26 469	20 207	13 105	2	2	5	2
August .....	26 424	27 201	22 756	13 793	2	2	7	3
November .....	24 531	26 942	20 814	13 230	2	2	6	3
Average .....	25 156	26 121	20 634	13 189	2	2	5	2
Other employees:								
March .....	5 040	3 820	2 998	2 069	3	3	4	5
Construction worker hours (thousands):								
January to March .....	9 152	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June .....	9 727	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September .....	10 434	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December .....	9 644	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked .....	38 958	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	453 335	306 872	163 560	85 501	1	1	3	2
Payroll, construction workers .....	359 365	252 822	133 401	71 622	2	1	3	2
Payroll, other employees .....	93 970	54 050	30 159	13 908	2	2	3	3
First quarter payroll, all employees .....	101 131	65 576	(NA)	(NA)	2	1	(NA)	(NA)
Employer costs for fringe benefits .....	84 528	54 125	(NA)	(NA)	2	1	(NA)	(NA)
Legally required expenditures .....	60 922	34 508	(NA)	(NA)	2	1	(NA)	(NA)
Voluntary expenditures .....	23 605	19 616	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts .....	1 823 933	1 228 220	751 594	359 895	2	2	4	3
Total construction receipts .....	1 734 554	1 180 749	688 245	345 488	2	2	4	3
Receipts for work subcontracted in from others .....	415 535	297 198	135 811	52 859	3	3	5	7
Land receipts <sup>1</sup> .....	18 048	(NA)	(NA)	(NA)	11	(NA)	(NA)	(NA)
Other business receipts .....	71 330	47 471	63 349	14 819	3	4	3	13
Net construction receipts† .....	1 360 448	963 978	525 490	275 372	2	2	3	2
Value added†† .....	846 845	555 831	302 172	157 791	2	2	3	3
Selected payments .....	959 039	653 519	394 689	192 317	2	2	5	4
Materials, components, and supplies <sup>2</sup> .....	537 369	396 499	231 934	122 208	2	2	5	3
Construction work subcontracted to others .....	374 105	216 771	162 755	70 128	3	3	7	7
Selected power, fuels, and lubricants .....	47 563	40 248	(NA)	(NA)	2	1	(NA)	(NA)
Electricity .....	4 835	9 032	(NA)	(NA)	4	1	(NA)	(NA)
Natural gas .....	2 794	5 886	(NA)	(NA)	5	1	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	37 146	21 391	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases .....	2 787	3 940	(NA)	(NA)	5	4	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	1 233	(NA)	(NA)	(NA)	1	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	31 043	17 331	(NA)	(NA)	3	2	(NA)	(NA)
For machinery and equipment .....	24 783	14 154	8 069	5 477	3	2	4	6
For structures .....	6 259	3 177	(NA)	(NA)	5	6	(NA)	(NA)
Selected purchased services .....	43 165	37 284	(NA)	(NA)	2	2	(NA)	(NA)
Communication services .....	9 531	5 076	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to structures and related facilities .....	1 795	1 775	(NA)	(NA)	6	15	(NA)	(NA)
Repairs to machinery and equipment .....	31 839	30 433	(NA)	(NA)	2	1	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	1 734 554	1 180 749	688 245	345 488	2	2	4	3
Government owned .....	509 711	367 665	218 731	183 254	3	1	3	4
Privately owned .....	1 224 842	813 084	469 514	162 234	2	2	5	7

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
<b>STRUCTURES, MACHINERY, AND EQUIPMENT</b>								
Beginning-of-year gross book value of depreciable assets -----	450 076	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	50 212	51 322	23 679	9 892	3	3	6	6
New -----	34 419	41 301	18 345	7 740	3	3	6	7
Used -----	15 793	10 022	5 334	2 152	4	10	14	15
Retirements and disposition of depreciable assets -----	16 611	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	483 676	320 495	125 898	(NA)	2	2	3	(NA)
Depreciation charges during year -----	58 467	28 930	16 203	(NA)	3	2	5	(NA)
<b>Structures, Additions, and Related Facilities</b>								
Beginning-of-year gross book value of depreciable assets -----	120 914	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	7 756	*5 910	5 083	(S)	7	27	16	-
New structures and related facilities -----	6 542	4 707	3 710	1 091	8	9	8	23
Used structures and related facilities -----	1 213	*1 203	1 373	(S)	12	45	25	-
Retirements and disposition of depreciable assets -----	1 822	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	126 847	103 344	22 916	(NA)	2	2	5	(NA)
Depreciation charges during year -----	6 555	4 126	1 356	(NA)	7	3	14	(NA)
<b>Machinery and Equipment</b>								
Beginning-of-year gross book value of depreciable assets -----	329 161	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	42 456	45 412	18 596	8 361	3	6	11	6
New machinery and equipment, including automobiles and trucks -----	27 876	36 593	14 635	6 649	3	3	7	6
New automobiles and trucks, intended primarily for highway use -----	10 711	10 193	(NA)	(NA)	5	7	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	14 579	8 819	3 961	1 712	4	10	16	7
Retirements and disposition of depreciable assets -----	14 788	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	356 829	217 151	102 982	(NA)	2	2	3	(NA)
Depreciation charges during year -----	51 911	24 805	14 847	(NA)	3	2	5	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	3 496	3
Total construction receipts .....	1 734 554	2
<b>Establishments with inventories:</b>		
Number .....	1 026	10
Total construction receipts .....	693 056	2
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	43 879	7
Value for establishments with LIFO reserve .....	735	27
Amount of LIFO reserve .....	249	22
Value for establishments with no LIFO reserve .....	43 144	7
End of 1981, total .....	40 200	7
Value for establishments with LIFO reserve .....	608	37
Amount of LIFO reserve .....	178	25
Value for establishments with no LIFO reserve .....	39 592	7
<b>Establishments with no inventories:</b>		
Number .....	2 470	3
Total construction receipts .....	1 041 498	2

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments .....	3 496	2 123	679	395	225	46	22	4	1	1
All employees** .....	30 390	4 205	4 588	5 357	6 707	3 198	3 215	3 120	(D)	(D)
Payroll, all employees .....	453 335	38 511	54 476	71 844	104 635	57 002	57 743	69 123	(D)	(D)
Construction worker hours (thousands) .....	38 958	4 735	5 402	6 560	8 206	4 468	4 434	5 150	(D)	(D)
All business receipts .....	1 823 933	208 973	234 292	291 037	1 089 630	(D)	(D)	(D)	(D)	(D)
Total construction receipts .....	1 734 554	201 341	226 545	282 444	426 249	211 077	217 375	169 522	(D)	(D)
Net construction receipts† .....	1 360 448	159 894	189 192	225 955	321 947	167 190	164 824	131 445	(D)	(D)
Value added†† .....	846 845	89 450	107 669	136 477	198 099	110 799	105 257	99 092	(D)	(D)
Payments for materials, components, supplies, and fuels .....	584 933	74 594	87 507	95 549	136 097	62 989	128 196	(D)	(D)	(D)
Payments for construction work subcontracted to others .....	374 105	41 446	37 353	56 489	104 301	43 887	52 551	38 077	(D)	(D)
Rental payments for machinery, equipment, and structures .....	31 043	2 762	2 202	4 658	6 587	5 481	6 568	2 784	(D)	(D)
Capital expenditures, other than land .....	50 212	4 873	5 642	5 863	9 458	6 882	8 653	8 838	(D)	(D)
End-of-year gross book value of depreciable assets .....	483 676	52 092	58 280	49 327	75 277	67 966	73 686	107 047	(D)	(D)
<b>1977</b>										
All employees** .....	30 032	4 048	4 632	5 034	6 021	3 775	1 484	5 038	(D)	(D)
Total construction receipts .....	1 180 749	147 060	170 843	181 708	256 067	159 225	73 468	192 377	(D)	(D)
Value added†† .....	555 831	62 482	74 556	80 866	112 581	77 091	34 594	113 562	(D)	(D)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** .....	2	5	7	6	4	(W)	(W)	(W)	-	-
Net construction receipts† .....	2	6	7	6	2	(W)	(W)	(W)	-	-
Capital expenditures, other than land .....	3	13	17	12	5	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
<b>1982</b>											
Number of establishments .....	3 496	490	384	664	819	460	338	212	70	40	18
All employees** .....	30 390	561	720	1 592	3 893	3 654	4 546	5 025	3 067	2 621	4 710
Payroll, all employees .....	453 335	1 652	3 930	12 013	33 186	43 290	61 240	82 755	57 999	50 265	107 004
Construction worker hours (thousands) .....	38 958	433	604	1 686	3 946	4 481	5 303	6 332	4 533	3 983	7 653
All business receipts .....	1 823 933	6 252	14 478	49 204	134 829	166 763	233 957	316 419	241 562	660 466	(D)
Total construction receipts .....	1 734 554	6 192	14 203	48 212	130 095	161 787	224 551	301 065	233 063	268 255	347 129
Net construction receipts† .....	1 360 448	5 261	12 343	43 088	113 614	144 281	185 166	236 026	175 341	194 814	250 512
Value added†† .....	846 845	2 967	7 548	25 458	64 853	81 246	113 478	137 727	112 596	127 569	173 401
Payments for materials, components, supplies, and fuels .....	584 933	2 321	4 978	18 151	52 400	67 034	78 455	108 039	68 063	72 610	112 878
Payments for construction work subcontracted to others .....	374 105	931	1 860	5 123	16 480	17 506	39 385	65 039	57 722	73 441	96 617
Rental payments for machinery, equipment, and structures .....	31 043	113	298	458	2 040	2 023	3 183	5 826	3 763	6 081	7 256
Capital expenditures, other than land .....	50 212	140	397	1 226	3 100	4 569	5 068	6 737	7 506	7 767	13 699
End-of-year gross book value of depreciable assets .....	483 676	2 081	5 043	14 019	36 943	35 186	53 447	60 019	52 084	80 087	144 765
<b>1977</b>											
All employees** .....	30 032	(S)	884	1 979	4 499	4 294	4 048	3 900	2 960	16 583	(NA)
Total construction receipts .....	1 180 749	(S)	14 747	42 116	135 150	147 889	157 564	195 311	153 042	1327 775	(NA)
Value added†† .....	555 831	2 534	8 384	21 033	64 477	62 731	71 901	89 317	70 118	1165 337	(NA)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>											
All employees** .....	2	8	11	9	8	8	6	3	(W)	(W)	(W)
Net construction receipts† .....	2	10	8	7	7	7	8	4	(W)	(W)	(W)
Capital expenditures, other than land .....	3	32	25	20	14	18	17	8	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

†Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b> .....	<b>1 734 554</b>	<b>1 397 130</b>	<b>337 423</b>	<b>2</b>	<b>2</b>	<b>2</b>
<b>Building construction</b> .....	<b>1 147 067</b>	<b>997 565</b>	<b>149 501</b>	<b>2</b>	<b>2</b>	<b>3</b>
Single-family houses .....	383 574	329 675	53 899	4	4	6
Single-family houses, detached .....	302 938	255 152	47 785	5	4	7
Single-family houses, attached .....	80 636	74 522	6 113	6	6	7
Apartment buildings with two or more apartments .....	53 592	46 470	7 121	12	14	14
Other residential buildings .....	32 392	27 307	5 085	7	7	9
Office and bank buildings .....	169 212	150 644	18 567	3	4	5
Office buildings .....	130 961	117 775	13 186	3	4	7
Bank buildings and other financial institutions .....	38 250	32 869	5 380	7	9	5
Farm buildings .....	3 236	2 721	515	24	26	19
Industrial buildings and warehouses .....	171 635	156 303	15 331	4	4	9
Industrial buildings .....	148 562	135 448	13 114	4	3	11
Warehouses .....	23 072	20 855	2 216	10	10	20
Stores, restaurants, public garages, and automobile service stations .....	92 232	81 301	10 931	6	7	9
Religious buildings .....	12 507	9 825	2 681	11	10	17
Educational buildings .....	143 636	117 025	26 611	2	2	5
Hospitals and institutional buildings .....	65 397	59 809	5 588	3	2	17
Amusement, social, and recreational buildings .....	7 516	6 425	1 090	13	13	26
Other nonresidential buildings .....	12 133	10 055	2 078	5	6	5
<b>Nonbuilding construction</b> .....	<b>458 246</b>	<b>293 909</b>	<b>164 337</b>	<b>2</b>	<b>2</b>	<b>2</b>
Highways, streets, and related facilities .....	172 190	118 484	53 706	3	4	4
Bridges, tunnels, and elevated highways .....	7 863	(D)	(D)	6	-	-
Conservation and development construction .....	4 526	2 809	1 717	(W)	(W)	(W)
Power and communication transmission lines, towers, and related facilities .....	28 537	10 249	18 287	7	14	2
Sewers, water mains, and related facilities .....	71 815	44 965	26 849	3	5	2
Sewers, sewer lines, and related facilities .....	36 142	23 481	12 661	3	4	2
Water mains and related facilities .....	35 672	21 484	14 187	6	9	2
Pipeline, other than sewer or water lines .....	58 415	39 876	18 539	2	2	2
Sewage treatment and water treatment plants .....	20 911	(D)	(D)	3	-	-
Sewage treatment plants .....	16 207	(D)	(D)	2	-	-
Water treatment plants .....	4 704	(D)	(D)	10	-	-
Heavy industrial facilities .....	46 823	24 798	22 025	2	1	4
Blast furnaces, petroleum refineries, and chemical complexes .....	21 067	13 978	7 088	3	1	10
Power plants .....	25 756	10 819	14 936	1	(W)	2
Oilfields .....	25 797	15 966	9 831	9	9	14
Other nonbuilding construction .....	21 363	13 837	7 523	20	21	36
<b>Construction work, n.s.k.</b> .....	<b>129 240</b>	<b>105 656</b>	<b>23 583</b>	<b>7</b>	<b>7</b>	<b>9</b>
<b>1977</b>						
<b>Total construction receipts†</b> .....	<b>1 180 749</b>	<b>986 066</b>	<b>194 683</b>	<b>2</b>	<b>2</b>	<b>3</b>
<b>Building construction</b> .....	<b>790 793</b>	<b>652 747</b>	<b>138 046</b>	<b>2</b>	<b>2</b>	<b>3</b>
Single-family houses .....	403 944	359 315	44 629	4	4	7
Apartment buildings with two or more apartments .....	46 427	40 731	5 696	6	7	12
Other residential buildings .....	(D)	11 276	(D)	-	2	-
Office and bank buildings .....	55 570	45 948	9 622	4	5	6
Industrial buildings and warehouses .....	65 074	54 518	10 556	3	4	7
Stores, restaurants, public garages, and automobile service stations .....	43 290	31 018	12 272	7	7	16
Religious buildings .....	7 337	5 222	2 115	9	9	10
Educational buildings .....	63 699	57 021	6 678	2	2	7
Hospitals and institutional buildings .....	35 957	31 444	4 513	2	2	4
Other nonresidential buildings .....	(D)	16 253	(D)	-	11	-
<b>Nonbuilding construction</b> .....	<b>298 417</b>	<b>253 537</b>	<b>44 880</b>	<b>2</b>	<b>1</b>	<b>7</b>
Highways, streets, and related facilities .....	137 999	113 448	24 551	2	1	12
Bridges, tunnels, and elevated highways .....	20 285	19 188	1 097	2	2	5
Conservation and development construction .....	12 208	(D)	(D)	20	-	-
Power and communication transmission lines, towers, and related facilities .....	17 265	16 129	1 136	2	2	8
Sewers, water mains, and related facilities .....	36 455	32 160	4 295	3	3	8
Pipeline, other than sewer or water lines .....	12 463	(D)	(D)	10	-	-
Sewage treatment and water treatment plants .....	12 095	11 995	*100	3	3	44
Heavy industrial facilities .....	24 256	19 831	4 425	2	3	8
Other nonbuilding construction .....	25 391	20 438	4 953	8	8	16
<b>Construction work, n.s.k.</b> .....	<b>91 549</b>	<b>79 717</b>	<b>11 832</b>	<b>6</b>	<b>6</b>	<b>7</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers .....</b>	3 496	25 156	38 958	23 785	9 152	24 551	9 727
15,16, 17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses .....	676	2 761	3 623	2 838	864	2 732	950
1522	Other residential buildings .....	78	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders .....	183	683	937	675	239	699	236
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses .....	54	744	1 074	727	256	712	263
1542	Nonresidential buildings, n.e.c. ....	242	3 160	5 225	2 837	1 216	3 118	1 299
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction .....	84	2 004	3 603	1 704	760	2 022	901
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction .....	2	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	62	2 034	3 929	1 917	909	2 045	1 006
1629	Heavy construction, n.e.c. ....	39	1 044	1 765	1 156	503	945	417
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning .....	455	2 410	3 731	2 315	903	2 319	886
1721	Painting, paper hanging, and decorating .....	135	889	1 214	768	263	906	323
1731	Electrical work .....	354	2 236	3 691	2 128	866	2 179	922
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework .....	114	586	697	475	138	602	184
1742	Plastering, drywall, and insulation work .....	154	1 450	1 727	1 333	390	1 366	425
1743	Terrazzo, tile, marble, and mosaic work .....	31	*242	220	*205	50	165	46
175	Carpentering and flooring:							
1751	Carpentering .....	130	689	995	628	216	634	237
1752	Floor laying and other floorwork .....	51	143	117	135	*28	118	*29
1761	Roofing and sheet metal work .....	106	871	1 304	745	274	776	290
1771	Concrete work .....	143	914	1 197	783	237	907	309
1781	Water well drilling .....	67	153	181	182	52	156	50
179	Miscellaneous special trade contractors:							
1791	Structural steel erection .....	13	209	325	237	94	198	77
1793	Glass and glazing work .....	21	74	114	79	31	70	*24
1794	Excavating and foundation work .....	120	784	1 350	885	388	768	348
1795	Wrecking and demolition work .....	*6	18	*41	24	(S)	17	*12
1796	Installing building equipment, n.e.c. ....	13	145	218	144	50	158	64
1799	Special trade contractors, n.e.c. ....	127	(D)	(D)	(D)	(D)	(D)	(D)
6552	<b>Subdividers and developers, n.e.c. ....</b>	31	*108	*221	*115	*57	*110	*58

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column--										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
31 424	10 434	24 531	9 644	2	2	2	2	2	2	2	2	2	2	15,16,17
														15
2 887 (S)	996 (S)	2 306 (S)	812 (S)	7 -	7 -	9 -	9 -	7 -	8 -	8 -	8 -	8 -	9 -	152 1521 1522
697	252	601	209	14	16	14	18	16	20	15	20	15	20	1531
778	295	733	259	12	10	12	10	13	12	12	13	11	11	154 1541 1542
3 512	1 450	3 046	1 259	3	3	3	4	3	4	3	4	3	4	16
2 078	952	2 192	988	4	5	4	6	3	5	4	4	5	7	1611
														162
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1622
2 241	1 076	1 918	937	2	2	4	4	2	2	2	2	2	2	1623
1 053	445	1 006	400	2	1	1	1	2	2	2	2	2	2	1629
														17
2 460	971	2 390	969	6	6	6	8	6	7	6	8	8	9	1711
999	332	851	294	15	10	13	14	14	12	19	12	15	13	1721
2 299	975	2 218	927	5	5	5	6	5	7	5	7	5	7	1731
														174
596	196	615	177	18	18	17	22	17	21	19	23	21	25	1741
1 592	467	1 463	443	10	9	11	11	12	13	10	10	9	11	1742
*265	57	*318	65	47	25	45	31	36	33	48	30	56	31	1743
														175
732	279	722	262	15	17	19	20	16	19	16	18	17	20	1751
165	*35	120	*24	27	29	29	47	24	43	33	43	28	48	1752
919	346	1 003	393	9	9	9	11	10	11	10	11	9	10	1761
998	352	880	299	13	12	14	15	13	14	13	13	14	13	1771
137	39	133	*38	23	26	21	31	21	31	23	40	30	49	1781
														179
194	78	203	76	8	5	6	6	8	8	9	8	7	8	1791
64	25	80	32	22	27	20	33	20	40	22	38	24	37	1793
691	313	730	300	9	9	7	8	9	11	12	11	12	12	1794
14	(S)	16	*11	24	51	18	-	26	58	31	-	27	63	1795
120	45	146	57	3	2	6	9	(W)	3	(W)	5	(W)	4	1796
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1799
*118	91	91	46	43	45	45	50	45	47	44	47	38	42	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers .....</b>	<b>8.7</b>	<b>14.9</b>	<b>1.5</b>	<b>69.0</b>	<b>.261</b>	<b>.337</b>	<b>.216</b>	<b>.029</b>	<b>.018</b>
<b>15,16, 17</b>	<b>Construction Industries:</b>									
<b>15</b>	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses .....	4.7	9.7	1.3	56.5	.197	.350	.253	.023	.014
1522	Other residential buildings .....	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1531	Operative builders .....	6.0	12.8	1.4	128.9	.161	.258	.373	.014	.006
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses .....	17.1	15.0	1.4	117.4	.158	.276	.461	.012	.008
1542	Nonresidential buildings, n.e.c. ....	16.6	19.0	1.7	107.0	.226	(D)	.462	.023	.006
<b>16</b>	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction .....	27.1	16.7	1.8	88.5	.214	.373	.126	.054	.037
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction .....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines .....	37.3	17.5	1.9	59.4	.334	.257	.076	.046	.046
1629	Heavy construction, n.e.c. ....	30.4	21.1	1.7	58.3	.411	.254	.089	.067	.034
<b>17</b>	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning .....	6.8	15.0	1.5	69.9	.274	.432	.124	.017	.011
1721	Painting, paper hanging, and decorating .....	7.3	10.5	1.4	28.1	.414	.258	.026	.012	.013
1731	Electrical work .....	7.8	18.5	1.7	60.6	.376	.509	.052	.028	.008
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework .....	5.6	10.4	1.2	38.5	.297	.378	.020	.019	.013
1742	Plastering, drywall, and insulation work .....	11.2	12.4	1.2	46.0	.320	.321	.068	.015	.011
1743	Terrazzo, tile, marble, and mosaic work .....	*9.2	*8.8	*.9	*27.7	.375	.543	.012	.031	.011
175	Carpentering and flooring:									
1751	Carpentering .....	5.8	9.2	1.4	41.6	.244	.447	.146	.010	.011
1752	Floor laying and other floorwork .....	3.4	8.9	.8	46.8	.227	.418	*.037	.013	*.011
1761	Roofing and sheet metal work .....	9.7	12.4	1.5	51.2	.287	.461	.032	.020	.016
1771	Concrete work .....	7.0	11.9	1.3	48.1	.271	.396	.114	.032	.021
1781	Water well drilling .....	2.6	11.5	1.2	54.7	.235	.405	*.012	.032	.007
179	Miscellaneous special trade contractors:									
1791	Structural steel erection .....	18.2	20.3	1.6	54.5	.423	(D)	.140	(D)	(D)
1793	Glass and glazing work .....	5.1	16.3	1.5	73.6	.322	.623	.010	*.005	.016
1794	Excavating and foundation work .....	8.0	14.9	1.7	61.8	.295	.211	.052	.068	.059
1795	Wrecking and demolition work .....	(D)	(D)	*2.3	(D)	(D)	*.170	(D)	*.025	*.025
1796	Installing building equipment, n.e.c. ....	13.2	23.6	1.5	75.9	.366	.156	(D)	(D)	.013
1799	Special trade contractors, n.e.c. ....	5.9	12.5	(D)	(D)	(D)	(D)	(D)	(D)	(D)
<b>6552</b>	<b>Subdividers and developers, n.e.c. ....</b>	<b>10.4</b>	<b>11.4</b>	<b>*2.0</b>	<b>100.6</b>	<b>.338</b>	<b>.209</b>	<b>.223</b>	<b>.039</b>	<b>.027</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Not applicable]

# Utah

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# SUMMARY OF FINDINGS

During 1982, 11,636 establishments in Utah operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$2.6 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 7,921 establishments in this State with no payroll accounted for about 13 percent of all business receipts for all construction establishments in Utah. On the other hand, 3,715 establishments classified as "employers" accounted for 87 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$2.3 billion, of which \$2.2 billion were receipts for construction work. These establishments paid \$584 million for construction work subcontracted to others, leaving net construction receipts of about \$1.6 billion. Value added for these establishments amounted to \$979 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Utah paid \$645 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$52.8 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Utah was 29.5 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 8.3 million hours, while hours worked during the third quarter were 11.1 million hours.

Total payroll for 1982 was \$512 million. Payments of \$96.4 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Utah are based on a sample of about 1,500 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction Industries and subdividers and developers -----	11 636	9 345	29 501	2 622 913	7 921	7 936	341 680	3 715	1 409	29 501	2 281 233	2	1
15,16, 17	Construction Industries¹ -----	11 381	9 153	29 226	2 555 742	7 733	7 758	302 645	3 648	1 395	29 226	2 253 097	2	1
15	General building contractors and operative builders -----	3 104	2 428	7 532	1 033 789	2 099	2 069	130 404	1 005	359	7 532	903 385	3	2
16	Heavy construction, general contractors -	484	314	5 617	440 905	260	264	12 065	224	50	5 617	428 840	2	2
17	Special trade contractors -----	7 793	6 411	16 077	1 081 048	5 374	5 425	160 176	2 419	986	16 077	920 872	3	2
1711	Plumbing, heating, and air conditioning----	906	575	3 348	281 040	454	457	22 218	452	118	3 348	258 822	5	3
1731	Electrical work -----	650	456	2 855	192 478	356	363	9 394	294	93	2 855	183 084	5	3
6552	Subdividers and developers, n.e.c.² -----	251	191	270	67 166	188	178	39 035	63	13	270	28 131	7	7
	1977													
	Construction Industries and subdividers and developers -----	9 885	8 397	34 603	2 025 442	5 496	5 624	196 797	4 389	2 773	34 603	1 828 645	2	2
15,16, 17	Construction Industries¹ -----	9 696	8 250	34 051	1 955 440	5 374	5 486	173 742	4 322	2 764	34 051	1 781 698	2	2
15	General building contractors and operative builders -----	2 867	2 219	10 587	899 069	1 273	1 295	75 806	1 594	924	10 587	823 263	4	3
16	Heavy construction, general contractors -	472	311	6 647	378 687	252	254	34 934	220	57	6 647	343 753	2	1
17	Special trade contractors -----	6 357	5 720	16 817	677 684	3 849	3 937	63 002	2 508	1 783	16 817	614 682	3	2
1711	Plumbing, heating, and air conditioning----	671	501	3 106	165 892	253	264	6 968	418	237	3 106	158 924	6	5
1731	Electrical work -----	446	342	2 107	92 374	241	242	4 217	205	100	2 107	88 157	5	4
6552	Subdividers and developers, n.e.c.² -----	194	147	(S)	70 007	122	138	23 055	72	9	(S)	(S)	-	-

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size**  
**Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
The State .....	11 636	9 345	29 501	2 622 913	7 921	7 936	341 680	3 715	1 409	29 501	2 281 233	2	1
\$10,000,000 or more .....	40	6	6 677	(D)	-	-	-	40	6	6 677	(D)	(W)	-
\$5,000,000 to \$9,999,999 .....	34	3	1 565	982 830	3	3	17 944	31	-	1 565	964 886	(W)	(W)
\$2,500,000 to \$4,999,999 .....	92	12	2 754	315 653	4	6	10 741	88	6	2 754	304 912	(W)	(W)
\$1,000,000 to \$2,499,999 .....	274	50	4 886	425 945	27	30	40 586	247	20	4 886	385 359	4	5
\$500,000 to \$999,999 .....	390	111	3 725	269 343	45	46	32 690	345	65	3 725	236 653	7	7
\$250,000 to \$499,999 .....	601	267	3 322	215 999	124	116	42 616	477	151	3 322	173 383	7	8
\$100,000 to \$249,999 .....	1 382	866	3 734	218 030	469	500	71 019	913	366	3 734	147 011	7	6
\$50,000 to \$99,999 .....	1 373	1 058	1 513	96 970	714	726	49 244	659	332	1 513	47 726	9	7
\$25,000 to \$49,999 .....	1 459	1 257	751	52 016	1 039	1 035	36 670	420	222	751	15 346	10	9
Less than \$25,000 .....	5 989	5 714	572	46 125	5 496	5 474	40 170	493	240	572	5 955	8	9
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	1 668	1 660	26 348	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	1 282	1 276	8 669	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,000 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 387	1 387	3 994	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,000 .....	(NA)	(NA)	(NA)	(NA)	1 159	1 151	1 159	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
The State .....	9 885	8 397	34 603	2 025 442	5 496	5 624	196 797	4 389	2 773	34 603	1 828 645	2	2
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	53	6	7 542	(D)	1	-	(D)	52	6	7 542	543 081	2	2
\$2,500,000 to \$4,999,999 .....	64	15	2 491	782 170	2	4	33 138	62	11	2 491	205 951	2	4
\$1,000,000 to \$2,499,999 .....	238	51	5 101	358 222	11	6	15 436	227	45	5 101	342 786	4	4
\$500,000 to \$999,999 .....	418	170	4 384	287 186	51	51	35 376	367	119	4 384	251 810	4	7
\$250,000 to \$499,999 .....	639	297	4 918	223 498	46	49	14 845	593	248	4 918	208 653	5	7
\$100,000 to \$249,999 .....	1 349	1 006	5 856	216 693	173	197	26 241	1 176	809	5 856	190 452	6	6
\$50,000 to \$99,999 .....	1 198	1 113	2 627	83 425	317	347	21 242	881	766	2 627	62 183	10	9
\$25,000 to \$49,999 .....	989	952	900	35 491	586	617	20 255	403	335	900	15 236	18	13
Less than \$25,000 .....	4 936	4 788	(S)	38 757	4 309	4 353	30 264	(S)	(S)	(S)	8 493	-	13
\$10,000 to \$24,999 .....	1 696	1 601	567	(D)	1 274	1 305	19 614	422	296	567	(D)	17	-
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	982	997	6 626	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	1 163	1 158	3 381	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	890	893	643	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	<b>Construction industries and subdividers and developers .....</b>	<b>3 715</b>	<b>29 501</b>	<b>24 680</b>	<b>512 402</b>	<b>410 477</b>	<b>38 819</b>	<b>2 206 144</b>	<b>1 621 730</b>
15,16, 17	<b>Construction Industries:</b>								
15	<b>General building contractors and operative builders:</b>								
152	General contractors, residential buildings:								
1521	Single-family houses .....	545	2 354	1 988	26 385	20 580	2 736	166 029	121 868
1522	Other residential buildings .....	71	617	455	8 989	7 665	749	60 419	27 429
1531	Operative builders .....	125	819	532	11 857	6 000	662	177 620	41 701
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses .....	88	1 078	880	19 515	15 082	1 403	124 620	61 054
1542	Nonresidential buildings, n.e.c. ....	176	2 664	2 150	52 641	37 752	3 590	448 775	200 172
16	<b>Heavy construction general contractors:</b>								
1611	Highway and street construction .....	72	2 070	1 850	45 762	39 722	3 367	169 743	141 563
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction .....	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1623	Water, sewer, and utility lines .....	92	989	848	17 873	14 920	1 578	74 537	66 693
1629	Heavy construction, n.e.c. ....	48	1 991	1 730	58 074	52 301	3 166	130 877	108 064
17	<b>Special trade contractors:</b>								
1711	Plumbing, heating, and air conditioning .....	452	3 348	2 642	66 676	52 529	4 412	254 668	208 626
1721	Painting, paper hanging, and decorating .....	176	698	653	7 869	6 771	796	19 928	19 133
1731	Electrical work .....	294	2 855	2 382	57 915	46 439	4 198	180 750	174 546
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework .....	207	1 022	991	9 865	9 379	1 200	32 168	31 419
1742	Plastering, drywall, and insulation work .....	172	1 582	1 361	21 451	17 211	1 801	77 469	71 354
1743	Terrazzo, tile, marble, and mosaic work .....	42	240	192	3 574	2 878	378	10 694	10 368
175	Carpentering and flooring:								
1751	Carpentering .....	240	725	675	6 293	5 807	867	22 061	18 951
1752	Floor laying and other floorwork .....	22	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work .....	151	1 383	1 190	20 028	16 233	1 667	67 188	64 959
1771	Concrete work .....	212	1 290	1 149	18 107	15 258	1 649	68 663	62 482
1781	Water well drilling .....	33	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection .....	51	434	367	9 213	7 380	579	39 437	36 477
1793	Glass and glazing work .....	24	104	82	1 865	1 500	126	4 588	4 554
1794	Excavating and foundation work .....	176	1 006	901	13 496	11 595	1 398	53 287	48 736
1795	Wrecking and demolition work .....	3	83	72	1 241	985	121	(D)	2 622
1796	Installing building equipment, n.e.c. ....	18	196	154	4 631	3 407	225	11 740	10 167
1799	Special trade contractors, n.e.c. ....	146	909	728	12 161	8 661	1 013	40 462	37 489
6552	<b>Subdividers and developers, n.e.c. ....</b>	<b>63</b>	<b>270</b>	<b>(S)</b>	<b>4 160</b>	<b>537</b>	<b>58</b>	<b>118 091</b>	<b>13 051</b>

†Land receipts for SIC 1531 were \$10,467; for SIC 6552 were \$9,496.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
979 248	697 607	584 414	33 535	53 983	471 527	34 603	1 742 122	753 766	2	2	3	15,16,17
												15
69 498	54 010	44 160	2 738	2 525	18 644	4 430	231 186	69 389	6	8	12	152
13 898	13 881	32 990	429	558	3 955	472	42 384	7 735	9	8	15	1521
												1522
25 837	22 251	37 071	895	9 684	30 530	1 889	180 335	30 984	10	13	8	1531
29 791	32 524	63 566	1 458	1 929	16 428	1 431	94 375	29 577	6	7	9	154
110 969	93 867	248 603	2 433	3 160	28 954	2 365	232 429	48 527	2	2	6	1541
												1542
												16
94 976	57 921	28 180	5 861	12 536	110 695	2 258	120 262	64 870	3	2	(W)	1611
(S)	(D)	(S)	(D)	(D)	(S)	62	3 278	1 671	—	—	—	162
38 803	29 408	7 844	2 485	2 167	39 344	3 295	151 479	112 027	9	10	12	1622
90 692	18 080	22 813	1 256	2 308	29 379	1 032	50 709	32 440	2	2	(W)	1623
												1629
												17
117 271	95 509	46 042	4 168	4 371	40 186	3 106	157 109	74 790	5	4	5	1711
13 495	7 016	795	225	871	4 004	763	16 076	11 824	13	14	20	1721
91 966	84 913	6 204	2 261	2 775	25 180	2 107	86 867	56 522	5	3	8	1731
16 698	14 859	748	360	511	8 749	2 008	47 619	29 896	11	11	33	174
42 336	33 778	6 115	1 123	910	9 808	2 005	65 568	37 967	10	7	8	1741
6 240	5 082	326	39	84	1 346	363	12 159	7 832	14	12	(W)	1742
												1743
11 766	7 736	3 110	285	557	2 748	861	20 773	12 419	17	14	20	175
(S)	(S)	(S)	(S)	(S)	(S)	301	10 336	4 930	—	—	—	1751
												1752
34 127	33 712	2 229	973	918	8 826	1 655	58 254	31 878	8	8	13	1761
41 547	21 101	6 181	2 568	2 074	23 151	1 161	34 821	19 216	9	9	13	1771
(S)	(S)	(S)	(S)	(S)	(S)	177	8 093	5 543	—	—	—	1781
												179
25 254	11 631	2 960	576	752	7 447	351	14 623	8 980	7	3	7	1791
2 782	2 751	34	118	162	526	101	3 140	1 693	24	22	30	1793
38 433	12 966	4 551	979	3 147	38 898	952	33 511	22 778	12	9	10	1794
2 277	344	(D)	102	—	521	(D)	(S)	(S)	(W)	(W)	—	1795
6 867	4 518	*1 573	38	*302	1 274	105	4 354	3 103	17	17	52	1796
23 168	16 767	2 973	1 023	626	9 755	787	31 366	12 883	9	10	12	1799
11 139	2 455	5 040	269	168	6 389	(S)	(S)	(S)	7	7	22	6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	3 715	4 389	3 172	2 127	3	4	5	5
Number of establishments in business at end of year .....	3 619	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Proprietors and working partners .....	1 409	2 773	2 081	1 725	5	6	7	8
All employees** .....	29 501	34 603	24 725	15 449	2	2	3	2
Construction workers:								
March .....	21 167	25 508	17 523	10 820	2	2	3	2
May .....	24 699	30 258	21 191	13 611	2	2	3	2
August .....	27 481	33 246	24 504	15 488	2	2	3	2
November .....	24 111	30 974	22 291	13 873	2	2	4	2
Average .....	24 680	30 018	21 712	13 626	2	2	3	2
Other employees:								
March .....	4 628	4 365	2 910	1 770	2	3	4	4
Construction worker hours (thousands):								
January to March .....	8 258	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June .....	9 876	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
July to September .....	11 066	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
October to December .....	9 617	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Total hours worked .....	38 819	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	512 402	425 914	223 981	108 477	1	1	2	1
Payroll, construction workers .....	410 477	349 978	192 994	94 587	1	1	2	1
Payroll, other employees .....	101 925	75 936	30 987	13 898	2	2	3	3
First quarter payroll, all employees .....	109 025	85 817	(NA)	(NA)	2	1	(NA)	(NA)
Employer costs for fringe benefits .....	96 406	75 658	(NA)	(NA)	1	1	(NA)	(NA)
Legally required expenditures .....	68 336	42 884	(NA)	(NA)	1	2	(NA)	(NA)
Voluntary expenditures .....	28 070	32 774	(NA)	(NA)	2	1	(NA)	(NA)
All business receipts .....	2 281 233	1 828 645	961 703	474 423	1	2	4	2
Total construction receipts .....	2 206 144	1 742 122	932 208	463 934	1	2	3	2
Receipts for work subcontracted in from others .....	530 050	443 115	190 702	95 624	3	2	5	3
Land receipts <sup>1</sup> .....	19 963	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Other business receipts .....	55 125	86 523	29 495	10 524	4	5	9	6
Net construction receipts† .....	1 621 730	1 299 582	702 698	341 502	2	2	3	2
Value added†† .....	979 248	753 766	420 321	192 916	1	1	3	2
Selected payments .....	1 282 021	1 037 685	528 602	279 409	2	2	5	2
Materials, components, and supplies <sup>2</sup> .....	644 852	563 169	299 092	156 976	2	2	4	2
Construction work subcontracted to others .....	584 414	442 540	229 510	122 430	2	3	7	3
Selected power, fuels, and lubricants .....	52 755	31 977	(NA)	(NA)	3	2	(NA)	(NA)
Electricity .....	5 634	3 386	(NA)	(NA)	6	4	(NA)	(NA)
Natural gas .....	2 816	2 255	(NA)	(NA)	5	5	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	41 101	22 488	(NA)	(NA)	2	2	(NA)	(NA)
Other, including lubricating oils and greases .....	3 204	3 848	(NA)	(NA)	4	5	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	1 507	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	33 535	24 966	(NA)	(NA)	4	2	(NA)	(NA)
For machinery and equipment .....	25 734	21 447	11 181	8 901	5	2	3	5
For structures .....	7 801	3 520	(NA)	(NA)	4	5	(NA)	(NA)
Selected purchased services .....	47 692	31 864	(NA)	(NA)	2	2	(NA)	(NA)
Communication services .....	8 801	6 188	(NA)	(NA)	3	3	(NA)	(NA)
Repairs to structures and related facilities .....	1 506	1 629	(NA)	(NA)	5	8	(NA)	(NA)
Repairs to machinery and equipment .....	37 385	24 047	(NA)	(NA)	3	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	2 206 144	1 742 122	932 208	463 934	1	2	3	2
Government owned .....	415 649	305 463	272 235	218 491	5	1	3	5
Privately owned .....	1 790 495	1 436 659	659 973	245 443	2	2	5	4

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
<b>STRUCTURES, MACHINERY, AND EQUIPMENT</b>								
Beginning-of-year gross book value of depreciable assets -----	437 871	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	53 983	57 801	33 254	10 713	3	3	5	4
New -----	40 476	46 752	25 198	8 189	2	3	5	4
Used -----	13 506	11 049	8 056	2 524	7	5	10	13
Retirements and disposition of depreciable assets -----	20 327	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	471 527	401 447	179 374	(NA)	3	2	3	(NA)
Depreciation charges during year -----	60 492	34 392	18 929	(NA)	3	4	3	(NA)
<b>Structures, Additions, and Related Facilities</b>								
Beginning-of-year gross book value of depreciable assets -----	72 459	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	12 997	7 090	7 965	1 997	7	7	13	22
New structures and related facilities -----	10 615	5 801	5 011	1 241	2	7	14	17
Used structures and related facilities -----	2 382	1 289	2 954	756	40	7	13	28
Retirements and disposition of depreciable assets -----	4 191	(NA)	(NA)	(NA)	24	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	81 265	150 697	32 222	(NA)	6	3	6	(NA)
Depreciation charges during year -----	6 906	5 610	1 793	(NA)	14	19	6	(NA)
<b>Machinery and Equipment</b>								
Beginning-of-year gross book value of depreciable assets -----	365 412	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	40 985	50 710	25 289	8 716	3	4	9	8
New machinery and equipment, including automobiles and trucks -----	29 861	40 950	20 187	6 948	3	3	5	3
New automobiles and trucks, intended primarily for highway use -----	10 116	15 133	(NA)	(NA)	6	4	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	11 124	9 760	5 102	1 768	6	6	14	14
Retirements and disposition of depreciable assets -----	16 135	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	390 262	250 750	147 152	(NA)	3	2	3	(NA)
Depreciation charges during year -----	53 586	28 782	17 136	(NA)	3	2	3	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	3 715	3
Total construction receipts .....	2 206 144	1
<b>Establishments with inventories:</b>		
Number .....	922	11
Total construction receipts .....	786 789	3
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	48 397	7
Value for establishments with LIFO reserve .....	*1 137	56
Amount of LIFO reserve .....	(S)	-
Value for establishments with no LIFO reserve .....	47 260	7
End of 1981, total .....	39 849	8
Value for establishments with LIFO reserve .....	621	23
Amount of LIFO reserve .....	*230	43
Value for establishments with no LIFO reserve .....	39 228	8
<b>Establishments with no inventories:</b>		
Number .....	2 793	3
Total construction receipts .....	1 419 355	2

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
<b>1982</b>										
Number of establishments -----	3 715	2 316	717	396	221	35	22	6	-	1
All employees** -----	29 501	4 563	4 630	5 109	6 511	2 310	3 349	3 029	-	(D)
Payroll, all employees -----	512 402	44 245	64 858	81 811	117 183	45 980	72 547	85 778	-	(D)
Construction worker hours (thousands) -----	38 819	5 262	5 707	6 489	8 584	3 014	4 383	5 378	-	(D)
All business receipts -----	2 281 233	230 477	308 651	390 415	1 351 689	(D)	(D)	(D)	-	(D)
Total construction receipts -----	2 206 144	219 626	300 669	379 426	512 968	288 533	283 276	221 646	-	(D)
Net construction receipts† -----	1 621 730	180 644	230 571	281 206	368 756	169 414	200 456	190 682	-	(D)
Value added†† -----	979 248	103 548	127 008	164 816	217 748	95 827	139 709	130 591	-	(D)
Payments for materials, components, supplies, and fuels -----	697 607	82 492	108 617	123 995	169 026	81 634	131 842	(D)	-	(D)
Payments for construction work subcontracted to others -----	584 414	38 982	70 098	98 219	144 211	119 119	82 820	30 964	-	(D)
Rental payments for machinery, equipment, and structures -----	33 535	3 017	4 320	7 193	9 670	2 986	4 439	1 910	-	(D)
Capital expenditures, other than land -----	53 983	4 622	8 336	5 608	11 803	9 162	8 407	6 044	-	(D)
End-of-year gross book value of depreciable assets -----	471 527	62 104	73 558	69 987	93 164	38 545	75 566	58 602	-	(D)
<b>1977</b>										
All employees** -----	34 603	4 864	7 500	6 498	6 290	3 118	2 016	4 319	-	(D)
Total construction receipts -----	1 742 122	214 149	341 719	303 623	354 424	200 529	135 938	191 740	-	(D)
Value added†† -----	753 766	90 441	117 944	126 993	141 270	72 303	48 796	156 019	-	(D)
<b>1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)</b>										
All employees** -----	2	4	6	6	3	(W)	(W)	(W)	-	-
Net construction receipts† -----	2	5	8	5	1	(W)	(W)	(W)	-	-
Capital expenditures, other than land -----	3	14	17	11	3	(W)	(W)	(W)	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	3 715	493	420	659	913	477	345	247	88	31	40
All employees** -----	29 501	572	751	1 513	3 734	3 322	3 725	4 886	2 754	1 565	6 677
Payroll, all employees -----	512 402	1 695	4 241	11 360	39 543	45 681	55 152	88 714	60 289	33 796	171 929
Construction worker hours (thousands) -----	38 819	475	719	1 581	4 258	4 172	4 706	6 435	4 002	2 087	10 380
All business receipts -----	2 281 233	5 955	15 346	47 726	147 011	173 383	236 653	385 359	304 912	964 886	(D)
Total construction receipts -----	2 206 144	5 849	15 166	46 423	143 172	166 414	228 722	372 029	293 978	194 404	739 985
Net construction receipts† -----	1 621 730	5 046	13 826	41 152	127 319	144 442	191 474	289 930	194 388	123 150	491 001
Value added†† -----	979 248	2 827	8 456	23 505	72 848	85 932	110 735	162 638	114 899	86 424	310 980
Payments for materials, components, supplies, and fuels -----	697 607	2 263	5 466	18 600	56 771	62 913	85 344	138 463	87 887	46 026	193 870
Payments for construction work subcontracted to others -----	584 414	803	1 339	5 271	15 852	21 972	37 248	82 099	99 590	71 254	248 984
Rental payments for machinery, equipment, and structures -----	33 535	120	337	641	2 127	3 014	4 597	8 338	5 323	3 395	5 640
Capital expenditures, other than land -----	53 983	*63	448	871	3 214	3 598	4 162	10 152	7 141	1 370	22 962
End-of-year gross book value of depreciable assets -----	471 527	1 924	6 116	16 628	40 020	40 157	54 908	86 239	50 560	23 524	151 449
1977											
All employees** -----	34 603	(S)	900	2 627	5 856	4 918	4 384	5 101	2 491	17 542	(NA)
Total construction receipts -----	1 742 122	(S)	15 005	61 586	187 217	201 779	234 358	325 765	191 257	1516 868	(NA)
Value added†† -----	753 766	(S)	8 210	33 053	87 060	88 250	93 118	118 527	77 316	1243 404	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	8	10	9	7	7	7	4	(W)	(W)	(W)
Net construction receipts† -----	2	9	10	8	6	7	7	5	(W)	(W)	(W)
Capital expenditures, other than land -----	3	50	32	23	20	18	13	14	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b> .....	<b>2 206 144</b>	<b>1 981 527</b>	<b>224 617</b>	<b>1</b>	<b>1</b>	<b>3</b>
<b>Building construction</b> .....	<b>1 520 221</b>	<b>1 375 156</b>	<b>145 064</b>	<b>1</b>	<b>1</b>	<b>3</b>
Single-family houses .....	360 825	313 364	47 461	5	6	7
Single-family houses, detached .....	279 262	238 317	40 945	6	6	7
Single-family houses, attached .....	81 562	75 046	6 516	8	8	15
Apartment buildings with two or more apartments .....	84 209	75 914	8 295	5	4	30
Other residential buildings .....	66 675	59 875	6 799	4	4	8
Office and bank buildings .....	265 325	246 306	19 019	2	1	3
Office buildings .....	236 226	220 846	15 379	2	1	4
Bank buildings and other financial institutions .....	29 099	25 459	3 639	3	3	5
Farm buildings .....	6 434	5 147	1 287	27	27	35
Industrial buildings and warehouses .....	263 712	236 855	26 856	3	4	5
Industrial buildings .....	222 082	198 851	23 231	4	4	6
Warehouses .....	41 629	38 004	3 624	3	4	7
Stores, restaurants, public garages, and automobile service stations .....	142 319	129 074	13 245	4	4	13
Religious buildings .....	67 533	62 965	4 568	5	5	7
Educational buildings .....	148 367	138 208	10 158	3	3	14
Hospitals and institutional buildings .....	94 679	89 476	5 202	1	2	9
Amusement, social, and recreational buildings .....	14 059	13 475	584	17	18	16
Other nonresidential buildings .....	6 080	4 491	*1 588	16	10	53
<b>Nonbuilding construction</b> .....	<b>542 639</b>	<b>488 350</b>	<b>54 288</b>	<b>2</b>	<b>2</b>	<b>4</b>
Highways, streets, and related facilities .....	160 582	130 546	30 035	3	3	5
Parking areas .....	3 346	2 495	851	19	13	37
Fencing .....	*4 983	*4 516	*466	53	54	61
Bridges, tunnels, and elevated highways .....	50 178	46 597	3 581	4	3	25
Dam and reservoir construction .....	6 398	6 345	(S)	7	5	-
Conservation and development construction .....	5 655	4 695	959	14	16	5
Power and communication transmission lines, towers, and related facilities .....	19 314	17 749	1 565	9	8	35
Sewers, water mains, and related facilities .....	62 911	57 450	5 460	9	10	12
Sewers, sewer lines, and related facilities .....	31 243	28 681	2 562	18	16	25
Water mains and related facilities .....	31 668	28 769	2 898	9	9	8
Pipeline, other than sewer or water lines .....	22 989	21 344	1 644	3	3	2
Sewage treatment and water treatment plants .....	22 707	21 811	895	3	3	(W)
Sewage treatment plants .....	5 032	(D)	(D)	11	-	-
Water treatment plants .....	17 674	(D)	(D)	(W)	-	-
Heavy industrial facilities .....	117 849	112 749	5 100	1	1	20
Blast furnaces, petroleum refineries, and chemical complexes .....	24 150	20 605	3 545	7	3	28
Power plants .....	93 698	92 143	1 554	(W)	(W)	(W)
Power plants, nuclear .....	868	(D)	(D)	(W)	-	-
Power plants, except nuclear .....	92 830	(D)	(D)	(W)	-	-
Oilfields .....	10 645	8 651	1 994	13	12	35
Other nonbuilding construction .....	55 072	53 393	1 678	4	3	22
<b>Construction work, n.s.k.</b> .....	<b>143 283</b>	<b>118 019</b>	<b>25 264</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>1977</b>						
<b>Total construction receipts†</b> .....	<b>1 742 122</b>	<b>1 596 539</b>	<b>145 583</b>	<b>2</b>	<b>2</b>	<b>3</b>
<b>Building construction</b> .....	<b>1 215 745</b>	<b>1 119 245</b>	<b>96 500</b>	<b>2</b>	<b>2</b>	<b>3</b>
Single-family houses .....	509 530	473 974	35 556	4	4	7
Apartment buildings with two or more apartments .....	75 749	69 630	6 119	7	7	9
Other residential buildings .....	39 692	35 628	4 064	2	2	6
Office and bank buildings .....	67 196	60 774	6 422	3	3	5
Industrial buildings and warehouses .....	212 644	189 680	22 964	2	2	6
Stores, restaurants, public garages, and automobile service stations .....	58 067	52 716	5 351	5	6	9
Religious buildings .....	83 825	78 473	5 152	10	11	5
Educational buildings .....	94 847	90 138	4 709	2	2	7
Hospitals and institutional buildings .....	55 930	53 593	2 337	4	4	5
Other nonresidential buildings .....	18 465	14 640	3 825	6	7	9
<b>Nonbuilding construction</b> .....	<b>410 535</b>	<b>369 917</b>	<b>40 618</b>	<b>2</b>	<b>2</b>	<b>3</b>
Highways, streets, and related facilities .....	117 676	102 665	15 011	4	4	4
Bridges, tunnels, and elevated highways .....	10 973	(D)	(D)	2	-	-
Power and communication transmission lines, towers, and related facilities .....	71 563	(D)	(D)	(W)	-	-
Sewers, water mains, and related facilities .....	68 902	63 840	5 062	7	8	19
Pipeline, other than sewer or water lines .....	13 540	12 782	758	3	4	1
Sewage treatment and water treatment plants .....	9 538	8 959	577	2	2	3
Heavy industrial facilities .....	57 969	53 980	3 989	(W)	(W)	(W)
Other nonbuilding construction .....	60 376	56 042	4 334	4	5	8
<b>Construction work, n.s.k.</b> .....	<b>115 856</b>	<b>107 313</b>	<b>8 543</b>	<b>8</b>	<b>9</b>	<b>9</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction industries and subdividers and developers-----</b>	<b>3 715</b>	<b>24 680</b>	<b>38 819</b>	<b>21 167</b>	<b>8 258</b>	<b>24 699</b>	<b>9 876</b>
15,16, 17	<b>Construction industries:</b>							
15	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses -----	545	1 988	2 736	1 745	603	1 927	688
1522	Other residential buildings -----	71	455	749	459	179	451	190
1531	Operative builders -----	125	532	662	437	136	520	152
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	88	880	1 403	655	255	765	302
1542	Nonresidential buildings, n.e.c. -----	176	2 150	3 590	1 966	848	2 119	899
16	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction -----	72	1 850	3 367	1 129	492	1 984	927
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	12	(S)	(S)	(S)	(S)	(S)	(S)
1623	Water, sewer, and utility lines -----	92	848	1 578	616	281	881	429
1629	Heavy construction, n.e.c. -----	48	1 730	3 166	1 533	708	1 969	846
17	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning-----	452	2 642	4 412	2 434	1 051	2 593	1 119
1721	Painting, paper hanging, and decorating ----	176	653	796	586	164	669	206
1731	Electrical work -----	294	2 382	4 198	2 276	1 016	2 363	1 050
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	207	991	1 200	858	255	957	319
1742	Plastering, drywall, and insulation work ---	172	1 361	1 801	1 463	445	1 354	459
1743	Terrazzo, tile, marble, and mosaic work ---	42	192	378	173	88	174	86
175	Carpentering and flooring:							
1751	Carpentering -----	240	675	867	542	195	662	215
1752	Floor laying and other floorwork-----	22	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work -----	151	1 190	1 667	986	325	1 123	400
1771	Concrete work -----	212	1 149	1 649	848	281	1 211	454
1781	Water well drilling -----	33	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	51	367	579	285	115	323	133
1793	Glass and glazing work -----	24	82	126	77	31	79	31
1794	Excavating and foundation work -----	176	901	1 398	743	279	949	357
1795	Wrecking and demolition work -----	3	72	121	(D)	(D)	70	28
1796	Installing building equipment, n.e.c. -----	18	154	225	151	57	150	57
1799	Special trade contractors, n.e.c. -----	146	728	1 013	672	239	790	263
6552	<b>Subdividers and developers, n.e.c. -----</b>	<b>63</b>	<b>(S)</b>	<b>58</b>	<b>51</b>	<b>21</b>	<b>37</b>	<b>*14</b>

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
27 481	11 066	24 111	9 617	2	2	2	2	2	2	2	2	2	2	15,16, 17
														15
2 140	737	1 898	707	7	7	7	9	7	9	8	10	7	10	152
485	202	423	177	12	12	9	11	12	14	16	16	14	17	1521
														1522
591	204	531	169	11	10	11	14	14	14	13	15	12	14	1531
1 024	392	1 055	452	6	6	9	9	7	9	5	7	6	10	154
2 364	981	2 088	862	3	3	2	3	3	3	3	4	3	3	1541
														1542
														16
2 451	1 135	1 831	812	3	2	1	2	2	2	4	3	4	4	1611
														162
(S)	(S)	(S)	(S)	—	—	—	—	—	—	—	—	—	—	1622
1 056	522	792	345	9	8	12	12	9	9	8	7	11	11	1623
1 765	847	1 633	763	1	1	1	1	1	1	1	1	1	1	1629
														17
2 965	1 246	2 398	994	5	5	4	5	5	6	11	12	5	6	1711
749	231	561	194	14	16	14	20	14	19	15	20	15	19	1721
2 444	1 091	2 366	1 040	5	5	5	6	6	7	5	6	6	7	1731
														174
1 138	341	964	284	11	12	14	16	13	15	12	14	11	16	1741
1 249	434	1 354	462	10	9	9	10	11	12	10	11	11	11	1742
202	102	204	101	14	13	17	19	14	16	12	15	13	16	1743
														175
749	248	623	208	18	15	16	20	19	19	20	20	22	20	1751
(S)	(S)	(S)	(S)	—	—	—	—	—	—	—	—	—	—	1752
1 281	469	1 317	472	8	9	8	11	8	10	9	11	9	11	1761
1 330	505	1 125	406	9	9	14	17	10	12	9	10	9	11	1771
(S)	(S)	(S)	(S)	—	—	—	—	—	—	—	—	—	—	1781
														179
481	182	377	147	7	7	7	9	6	9	10	10	10	10	1791
77	29	89	34	23	23	19	27	25	30	24	34	27	35	1793
1 050	434	826	327	12	9	11	11	12	11	12	9	12	10	1794
90	36	(D)	(D)	(W)	(W)	—	—	(W)	(W)	(W)	(W)	—	—	1795
137	53	157	56	19	19	21	22	19	22	20	23	18	21	1796
784	281	590	229	10	10	10	14	10	13	10	13	12	13	1799
27	(S)	39	*13	—	31	28	58	23	61	20	—	29	62	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction industries and subdividers and developers -----</b>	<b>7.9</b>	<b>17.4</b>	<b>1.6</b>	<b>89.4</b>	<b>.232</b>	<b>.318</b>	<b>.265</b>	<b>.024</b>	<b>.015</b>
<b>15,16, 17</b>	<b>Construction Industries:</b>									
<b>15</b>	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.3	11.2	1.4	83.5	.159	.325	.266	.015	.016
1522	Other residential buildings -----	8.7	14.6	1.6	132.8	.149	.230	.546	.009	.007
1531	Operative builders -----	6.6	14.5	1.2	145.9	.153	.287	.478	.125	.012
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	12.3	18.1	1.6	141.6	.157	.261	.510	.015	.012
1542	Nonresidential buildings, n.e.c. -----	15.1	19.8	1.7	208.7	.117	.209	.554	.007	.005
<b>16</b>	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	28.8	22.1	1.8	91.8	.270	.341	.166	.074	.035
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	(S)	(S)	(S)	(S)	(S)	(D)	(S)	(D)	(D)
1623	Water, sewer, and utility lines -----	10.8	18.1	1.9	87.9	.240	.395	.105	.029	.033
1629	Heavy construction, n.e.c. -----	41.5	29.2	1.8	75.7	.444	.138	.174	.018	.010
<b>17</b>	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	7.4	19.9	1.7	96.4	.262	.375	.181	.017	.016
1721	Painting, paper hanging, and decorating -----	4.0	11.3	1.2	30.5	.395	.352	.040	.044	.011
1731	Electrical work -----	9.7	20.3	1.8	75.9	.320	.470	.034	.015	.013
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	4.9	9.7	1.2	32.5	.307	.462	.023	.016	.011
1742	Plastering, drywall, and insulation work -----	9.2	13.6	1.3	56.9	.277	.436	.079	.012	.014
1743	Terrazzo, tile, marble, and mosaic work -----	5.7	14.9	2.0	55.7	.334	.475	.030	.008	.004
175	Carpentering and flooring:									
1751	Carpentering -----	3.0	8.7	1.3	32.7	.285	.351	.141	.025	.013
1752	Floor laying and other floorwork -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work -----	9.2	14.5	1.4	56.5	.298	.502	.033	.014	.014
1771	Concrete work -----	6.1	14.0	1.4	59.8	.264	.307	.090	.030	.037
1781	Water well drilling -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	8.5	21.2	1.6	107.5	.234	.295	.075	.019	.015
1793	Glass and glazing work -----	4.3	17.9	1.5	56.0	.406	.600	.007	.035	.026
1794	Excavating and foundation work -----	5.7	13.4	1.6	59.1	.253	.243	.085	.059	.018
1795	Wrecking and demolition work -----	27.7	15.0	1.7	(D)	(D)	(D)	(D)	(D)	(D)
1796	Installing building equipment, n.e.c. -----	10.9	23.6	1.5	76.2	.394	.385	*.134	*.026	.003
1799	Special trade contractors, n.e.c. -----	6.2	13.4	1.4	55.6	.301	.414	.073	.015	.025
<b>6552</b>	<b>Subdividers and developers, n.e.c. -----</b>	<b>4.3</b>	<b>15.4</b>	<b>(S)</b>	<b>452.3</b>	<b>.230</b>	<b>.136</b>	<b>.279</b>	<b>.009</b>	<b>.015</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. For definitions of SMSA's, see appendix D]

SIC code	Geographic area and industry	Number of establishments	All employees**	Payroll, all employees	Total construction receipts	Net construction receipts†	Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Relative standard error of estimate (percent) for column—	
		A	B	C	D	E	F	G	H	I	B	E
	<b>SALT LAKE CITY-OGDEN SMSA</b>											
	Construction industries and subdividers and developers	2 373	20 259	350 604	1 582 859	1 119 408	648 066	503 672	463 451	37 237	2	2
15,16,17	Construction industries:											
15	General building contractors and operative builders:											
152	General contractors, residential buildings:											
1521	Single-family houses .....	293	1 364	17 072	94 673	69 936	40 883	29 924	24 737	1 687	7	9
1522	Other residential buildings .....	36	486	7 395	49 141	21 137	10 739	10 728	28 004	315	7	4
1531	Operative builders .....	83	607	9 795	62 464	29 987	18 854	18 596	32 477	9 118	13	18
154	General contractors, nonresidential buildings:											
1541	Industrial buildings and warehouses .....	70	905	16 657	106 101	50 068	22 457	28 595	56 033	1 529	5	5
1542	Nonresidential buildings, n.e.c. ....	118	2 114	42 035	373 835	165 275	97 102	70 084	208 561	2 279	3	2
16	Heavy construction general contractors:											
1611	Highway and street construction .....	38	736	15 289	60 537	53 150	31 126	22 810	7 387	5 778	7	8
162	Heavy construction, except highway:											
1622	Bridge, tunnel, and elevated highway construction .....	(D)	(S)	(D)	(S)	(D)	(S)	(S)	(D)	(D)	-	-
1623	Water, sewer, and utility lines .....	59	538	8 790	32 556	28 978	16 736	(D)	3 578	598	14	15
1629	Heavy construction, n.e.c. ....	28	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	3	3
17	Special trade contractors:											
1711	Plumbing, heating, and air conditioning .....	293	2 473	54 943	207 032	164 054	91 117	75 694	42 978	3 580	6	4
1721	Painting, paper hanging, and decorating .....	120	510	6 053	(D)	13 552	9 290	(D)	(D)	507	16	13
1731	Electrical work .....	196	2 426	52 549	162 072	156 149	81 986	75 903	5 923	2 364	6	4
174	Masonry, plastering, and tile setting:											
1741	Masonry, stone setting, and other stonework .....	121	598	6 482	19 966	19 561	10 153	9 542	405	*423	12	13
1742	Plastering, drywall, and insulation work .....	114	1 198	17 721	61 829	55 982	34 299	26 365	5 847	838	12	6
1743	Terrazzo, tile, marble, and mosaic work .....	34	207	3 237	9 798	9 482	5 821	4 573	316	(D)	13	11
175	Carpentering and flooring:											
1751	Carpentering .....	177	549	4 291	15 029	13 427	8 841	5 038	1 602	259	18	17
1752	Floor laying and other floorwork .....	*11	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
1761	Roofing and sheet metal work .....	115	1 109	16 614	55 910	54 150	26 558	28 459	1 760	606	9	8
1771	Concrete work .....	136	881	12 760	43 468	39 651	24 053	15 756	3 816	1 147	11	11
1781	Water well drilling .....	*11	(S)	(D)	(S)	(S)	(S)	(S)	(S)	(S)	-	-
179	Miscellaneous special trade contractors:											
1791	Structural steel erection .....	41	350	7 524	29 362	26 603	19 004	(D)	2 759	337	9	4
1793	Glass and glazing work .....	17	88	1 598	3 268	3 254	2 318	(D)	14	*140	28	31
1794	Excavating and foundation work .....	93	562	7 528	29 381	26 328	20 687	6 216	3 053	2 005	10	9
1795	Wrecking and demolition work .....	3	83	1 241	(D)	(D)	2 278	345	(D)	-	(W)	-
1796	Installing building equipment, n.e.c. ....	18	196	4 631	11 740	10 167	6 867	4 518	*1 573	(S)	16	17
1799	Special trade contractors, n.e.c. ....	92	697	9 601	30 590	28 017	17 525	12 289	2 573	578	10	9
6552	Subdividers and developers, n.e.c. ....	52	(D)	3 231	(D)	(D)	(D)	2 251	3 357	157	-	-



# Wyoming

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# SUMMARY OF FINDINGS

During 1982, 5,983 establishments in Wyoming operated primarily as general contractors or operative builders, special trade contractors, or subdividers and developers. These establishments had business receipts of \$1.3 billion.

Tables 1 and 2 of this report provide summary statistics for all establishments, establishments with paid employees, and for those with no payroll.

The 4,164 establishments in this State with no payroll accounted for about 14 percent of all business receipts for all construction establishments in Wyoming. On the other hand, 1,819 establishments classified as "employers" accounted for 86 percent of all business receipts.

Tables 3 through 12 in this report provide considerably more detailed information for employers. In 1982, all business receipts for these establishments amounted to \$1.1 billion, of which \$1.0 billion were receipts for construction work. These establishments paid \$230 million for construction work subcontracted to others, leaving net construction receipts of about \$808 million. Value added for these establishments amounted to \$512 million. (See Introduction and appendixes for explanation of terms.)

Construction establishments with payroll located in Wyoming paid \$300 million for materials, components, and supplies purchased for use in construction work for others; purchased and subsequently provided to subcontractors for their use; purchased and then resold to others; and purchased and used in construction work for own account. However, materials furnished to contractors by owners of projects are not included. Payments of \$33.0 million were also made for selected power, fuels, and

lubricants purchased during the year from other companies or received from other establishments of the parent company.

Average employment during 1982 for construction establishments with payroll in Wyoming was 14.9 thousand employees. Hours worked by construction workers during the first quarter of 1982 were 4.6 million hours, while hours worked during the third quarter were 5.6 million hours.

Total payroll for 1982 was \$253 million. Payments of \$44.3 million for employer costs for fringe benefits (not included in payroll) represent such expenditures during the year as employers' Social Security contributions, unemployment compensation, pension plans, and welfare plans.

The 1982 estimates for establishments with payroll are based on a probability sample of about 172,000 construction establishments in the United States. The estimates for Wyoming are based on a sample of about 800 of these establishments. Statistics for the nonemployers were based on administrative records of the Federal Government.

The statistics reported by each establishment cover all of its activities, not just construction. Therefore, aggregates of such data for a State reflect not only the primary construction activities of the establishments in the State, but also their secondary construction activities, and any nonconstruction activities.

All data shown are based on current dollars for the years specified and have not been adjusted for price changes or for inflation between 1977 and 1982.

**Table 1. Summary Statistics for Establishments With and Without Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	All establishments				Establishments without payroll			Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprie- tors and working partners	All em- ployees**	All business receipts	Number	Proprie- tors and working partners	All business receipts	Number	Proprie- tors and working partners	All em- ployees**	All business receipts		
		A	B	C	D	E	F	G	H	I	J	K	J	K
	1982													
	Construction industries and subdividers and developers-----	5 983	4 878	14 851	1 259 898	4 164	4 213	178 708	1 819	665	14 851	1 081 190	2	2
15,16, 17	Construction industries¹-----	5 826	4 742	14 740	1 237 347	4 039	4 077	161 548	1 787	665	14 740	1 075 799	2	2
15	General building contractors and operative builders-----	1 518	1 208	3 318	438 056	1 008	996	71 815	510	212	3 318	366 241	5	4
16	Heavy construction, general contractors -	395	241	4 452	340 283	227	232	8 824	166	9	4 452	331 459	2	2
17	Special trade contractors-----	3 913	3 293	6 970	459 008	2 804	2 849	80 909	1 109	444	6 970	378 099	4	3
1711	Plumbing, heating, and air conditioning----	427	288	1 201	79 020	228	231	9 959	199	57	1 201	69 061	10	7
1731	Electrical work-----	338	212	1 687	105 416	156	161	8 723	182	51	1 687	96 693	5	5
6552	Subdividers and developers, n.e.c.²-----	153	136	109	22 548	125	136	17 160	28	-	109	5 388	16	18
	1977													
	Construction industries and subdividers and developers-----	4 337	3 764	13 175	722 089	2 578	2 653	72 075	1 759	1 111	13 175	650 014	3	2
15,16, 17	Construction industries¹-----	4 253	3 681	13 108	(D)	2 510	2 570	61 954	1 743	1 111	13 108	(D)	3	-
15	General building contractors and operative builders-----	1 159	973	3 876	267 662	538	542	30 390	621	431	3 876	237 272	6	5
16	Heavy construction, general contractors -	346	245	3 666	(D)	156	159	3 727	190	86	3 666	(D)	2	-
17	Special trade contractors-----	2 748	2 463	5 566	234 979	1 816	1 869	27 837	932	594	5 566	207 142	4	5
1711	Plumbing, heating, and air conditioning----	261	168	998	45 351	114	119	1 963	147	49	998	43 388	10	10
1731	Electrical work-----	232	162	1 119	46 217	91	95	1 351	141	67	1 119	44 866	8	7
6552	Subdividers and developers, n.e.c.²-----	90	83	64	(D)	68	83	10 121	22	-	64	(D)	22	-

<sup>1</sup>For establishments without payroll, may also include data for construction establishments not classified to two-digit industry detail.

<sup>2</sup>For establishments without payroll, may also include data for an unknown number of cemetery subdividers and developers.

**Table 2. Summary Statistics for Establishments With and Without Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Receipts size	All establishments				Establishments without payroll <sup>1</sup>			Establishments with payroll				Relative standard error of estimate (percent) for column—	
	Number	Proprietors and working partners	All employees**	All business receipts	Number	Proprietors and working partners	All business receipts	Number	Proprietors and working partners	All employees**	All business receipts		
	A	B	C	D	E	F	G	H	I	J	K	J	K
<b>1982</b>													
The State .....	5 983	4 878	14 851	1 259 898	4 164	4 213	178 708	1 819	665	14 851	1 081 190	2	2
\$10,000,000 or more .....	14	—	2 561	(D)	—	—	—	14	—	2 561	(D)	(W)	—
\$5,000,000 to \$9,999,999 .....	18	—	1 340	(D)	—	—	—	18	—	1 340	(D)	(W)	—
\$2,500,000 to \$4,999,999 .....	46	4	1 785	564 542	3	2	7 994	43	2	1 785	556 548	(W)	(W)
\$1,000,000 to \$2,499,999 .....	143	16	2 574	211 800	10	6	13 638	133	10	2 574	198 162	4	5
\$500,000 to \$999,999 .....	200	44	1 851	136 827	28	21	19 360	172	23	1 851	117 467	8	9
\$250,000 to \$499,999 .....	379	177	1 842	135 370	79	79	27 113	300	98	1 842	108 257	9	9
\$100,000 to \$249,999 .....	677	439	1 565	107 441	245	256	37 422	432	183	1 565	70 019	9	9
\$50,000 to \$99,999 .....	756	622	790	53 907	459	475	32 337	297	147	790	21 570	13	10
\$25,000 to \$49,999 .....	775	683	264	27 280	592	600	20 779	183	83	264	6 501	12	13
Less than \$25,000 .....	2 973	2 893	279	22 729	2 748	2 774	20 065	225	119	279	2 664	11	12
\$10,000 to \$24,999 .....	(NA)	(NA)	(NA)	(NA)	835	850	13 162	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	645	649	4 399	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	671	674	1 907	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	597	601	597	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
<b>1977</b>													
The State .....	4 337	3 764	13 175	722 089	2 578	2 653	72 075	1 759	1 111	13 175	650 014	3	2
\$10,000,000 or more .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$5,000,000 to \$9,999,999 <sup>2</sup> .....	13	—	2 230	155 699	—	—	—	13	—	2 230	155 699	(W)	(W)
\$2,500,000 to \$4,999,999 .....	28	2	1 381	(D)	1	—	(D)	27	2	1 381	89 276	(W)	(W)
\$1,000,000 to \$2,499,999 .....	88	26	2 118	225 885	3	3	7 822	85	23	2 118	128 787	3	6
\$500,000 to \$999,999 .....	150	65	1 853	101 854	21	20	14 359	129	45	1 853	87 495	7	9
\$250,000 to \$499,999 .....	222	114	1 739	80 049	23	26	7 889	199	88	1 739	72 160	9	9
\$100,000 to \$249,999 .....	578	419	2 160	88 551	51	57	7 497	527	362	2 160	81 054	9	9
\$50,000 to \$99,999 .....	489	430	943	34 874	139	152	9 685	350	278	943	25 189	15	14
\$25,000 to \$49,999 .....	485	461	412	29 665	291	309	10 194	194	152	412	9 851	21	19
Less than \$25,000 .....	2 286	2 249	(S)	(D)	2 049	2 086	14 629	(S)	(S)	(S)	(D)	—	—
\$10,000 to \$24,999 .....	742	747	222	(S)	612	637	9 620	130	110	222	(S)	26	—
\$5,000 to \$9,999 .....	(NA)	(NA)	(NA)	(NA)	467	471	3 159	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$2,500 to \$4,999 .....	(NA)	(NA)	(NA)	(NA)	546	551	1 554	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Less than \$2,500 .....	(NA)	(NA)	(NA)	(NA)	424	427	296	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)

Note: Underscored data fields include data from adjoining lines which have been withheld to avoid disclosing data for individual companies.

<sup>1</sup>For establishments without payroll, may include data for an unknown number of cemetery subdividers and developers.

<sup>2</sup>Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately.

**Table 3. General Statistics for Establishments With Payroll by Industry: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	1982							
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
			All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H		
	Construction Industries and subdlvders and developers-----	1 819	14 851	12 521	253 400	204 582	20 113	1 038 734	808 260
15,16, 17	Construction Industries:								
15	General building contractors and operative builders:								
152	General contractors, residential buildings:								
1521	Single-family houses -----	303	1 258	997	14 606	11 245	1 376	83 199	59 033
1522	Other residential buildings -----	34	177	137	2 867	1 847	228	18 005	9 960
1531	Operative builders -----	54	305	190	5 516	3 021	228	147 171	30 686
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses -----	29	127	93	2 332	1 525	159	11 402	8 156
1542	Nonresidential buildings, n.e.c. -----	90	1 451	1 239	26 446	20 511	1 942	199 498	91 550
16	Heavy construction general contractors:								
1611	Highway and street construction -----	50	1 775	1 504	32 927	25 962	2 730	119 433	103 889
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	44	864	751	17 766	14 863	1 485	63 556	56 553
1629	Heavy construction, n.e.c. -----	68	651	543	12 885	10 356	868	42 683	38 389
17	Special trade contractors:								
1711	Plumbing, heating, and air conditioning-----	199	1 201	953	19 297	15 577	1 574	66 564	57 415
1721	Painting, paper hanging, and decorating -----	66	256	237	2 515	2 151	238	6 124	5 802
1731	Electrical work -----	182	1 687	1 340	31 952	25 216	2 255	93 666	91 123
174	Masonry, plastering, and tile setting:								
1741	Masonry, stone setting, and other stonework -----	51	326	299	2 907	2 674	383	9 433	9 386
1742	Plastering, drywall, and insulation work -----	44	380	336	5 983	5 120	528	16 707	15 296
1743	Terrazzo, tile, marble, and mosaic work -----	*3	(D)	18	(D)	375	38	1 155	1 148
175	Carpentering and flooring:								
1751	Carpentering -----	96	388	347	4 636	3 975	465	19 800	16 372
1752	Floor laying and other floorwork-----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work -----	45	295	246	5 258	4 083	345	16 463	13 976
1771	Concrete work -----	81	571	492	7 239	5 642	724	24 619	23 208
1781	Water well drilling -----	30	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	16	90	82	1 556	1 354	142	*6 858	6 308
1793	Glass and glazing work -----	15	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work-----	148	978	869	18 199	15 117	1 511	65 197	61 269
1795	Wrecking and demolition work -----	5	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. -----	-	-	-	-	-	-	-	-
1799	Special trade contractors, n.e.c. -----	123	542	464	6 680	5 199	658	26 229	24 956
6552	Subdlvders and developers, n.e.c. -----	28	109	43	1 047	354	53	13 119	2 287

†Land receipts for SIC 1531 were \$3,745; for SIC 6552 were \$1,910.

1982—Con.						1977			Relative standard error of estimate (percent) for column—			SIC code
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
511 670	333 390	230 474	24 840	27 841	296 893	13 175	630 497	314 891	2	2	5	15,16, 17
32 076 6 008	28 296 4 177	24 166 8 045	1 136 32	1 398 166	12 336 1 462	1 964 117	86 603 6 363	32 137 1 413	10 26	11 22	17 1	152 1521 1522
17 999	13 032	16 485	228	613	10 235	415	40 593	11 999	15	14	28	1531
4 983 60 665	*3 232 32 137	3 246 107 948	182 1 502	250 1 909	1 840 13 738	283 1 097	14 241 81 739	4 593 28 962	12 4	33 2	7 4	154 1541 1542
66 086	47 951	15 544	8 846	8 561	92 599	2 204	137 791	82 837	3	3	6	1611
(D) 41 540 30 361	(D) 17 147 10 007	(D) 7 003 4 294	1 632 1 681 1 387	(D) 2 676 2 836	5 042 31 618 24 930	(D) 598 816	(D) 23 813 32 145	(D) 13 693 22 430	— 5 10	— 2 8	— 6 6	162 1622 1623 1629
32 153	27 758	9 149	1 072	715	12 558	998	42 257	20 886	10	7	15	1711
4 434	1 730	322	40	117	1 152	221	5 440	3 992	17	22	22	1721
54 928	39 222	2 542	1 682	2 087	18 694	1 119	43 294	25 187	5	5	9	1731
6 365 10 040 598	(D) 5 761 549	*47 1 411 *7	97 174 21	120 497 48	2 036 2 756 361	486 395 (D)	11 704 11 670 956	6 622 6 825 576	23 12 —	15 16 24	31 38 29	174 1741 1742 1743
7 923 (S)	8 475 (S)	3 427 (S)	195 (S)	555 (S)	2 580 (S)	(D) 78	*12 485 2 876	6 378 1 351	12 —	9 —	35 —	175 1751 1752
7 266	6 939	2 487	263	109	2 151	381	14 966	7 674	9	10	7	1761
16 116 (S)	(D) (S)	1 411 (S)	605 (S)	740 (S)	8 277 (S)	305 108	9 404 4 060	4 894 2 387	15 —	16 —	26 —	1771 1781
3 925 (S) 48 173 (S) — 14 855 1 842	*2 445 (S) 14 798 (S) — 10 953 804	*550 (S) 3 928 (S) — 1 273 832	*226 (S) 3 391 (S) — 371 16	61 (S) 2 648 (S) — 1 139 91	2 138 (S) 37 568 (S) — 6 452 2 186	(D) *29 669 (D) (D) 311 64	3 745 *1 577 23 953 (D) 1 297 11 351 2 743	2 023 *745 17 526 (D) 725 7 860 (D)	38 — 7 — 14 16	40 — 6 — 10 18	39 — 10 — 26 14	179 1791 1793 1794 1795 1796 1799 6552

**Table 4. Detailed Statistics for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
Number of establishments in business during year .....	1 819	1 759	1 032	735	4	5	7	7
Number of establishments in business at end of year .....	1 750	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)
Proprietors and working partners .....	665	1 111	700	604	8	9	11	12
All employees** .....	14 851	13 175	7 379	5 438	2	3	4	4
Construction workers:								
March .....	11 675	9 559	5 103	3 156	2	3	4	5
May .....	12 630	12 024	6 664	4 526	2	3	5	4
August .....	13 447	13 472	7 642	5 845	2	3	4	4
November .....	11 509	11 617	6 048	4 716	2	3	5	4
Average .....	12 521	11 678	6 483	4 673	2	3	5	4
Other employees:								
March .....	2 316	1 370	888	728	4	5	8	7
Construction worker hours (thousands):								
January to March .....	4 569	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
April to June .....	5 347	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
July to September .....	5 616	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
October to December .....	4 579	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Total hours worked .....	20 113	(NA)	(NA)	(NA)	2	(NA)	(NA)	(NA)
Payroll, all employees .....	253 400	151 945	61 506	34 899	2	2	3	3
Payroll, construction workers .....	204 582	130 005	52 403	29 845	2	2	4	3
Payroll, other employees .....	48 817	21 940	9 103	5 045	3	3	4	4
First quarter payroll, all employees .....	58 619	30 447	(NA)	(NA)	2	2	(NA)	(NA)
Employer costs for fringe benefits .....	44 321	22 597	(NA)	(NA)	2	2	(NA)	(NA)
Legally required expenditures .....	34 614	14 818	(NA)	(NA)	2	2	(NA)	(NA)
Voluntary expenditures .....	9 706	7 779	(NA)	(NA)	3	1	(NA)	(NA)
All business receipts .....	1 081 190	650 014	250 883	142 988	2	2	4	2
Total construction receipts .....	1 038 734	630 497	239 596	136 898	2	2	4	2
Receipts for work subcontracted in from others .....	194 816	130 120	35 281	19 967	5	4	10	6
Land receipts <sup>1</sup> .....	5 655	(NA)	(NA)	(NA)	15	(NA)	(NA)	(NA)
Other business receipts .....	36 800	19 517	11 287	6 094	5	8	7	6
Net construction receipts† .....	808 260	519 838	192 300	109 553	2	2	4	2
Value added†† .....	511 670	314 891	130 205	68 389	2	2	3	2
Selected payments .....	563 864	328 368	119 387	74 429	3	3	4	2
Materials, components, and supplies <sup>2</sup> .....	300 384	194 023	72 091	47 096	2	3	5	3
Construction work subcontracted to others .....	230 474	110 658	47 296	27 341	3	4	5	4
Selected power, fuels, and lubricants .....	33 006	23 686	(NA)	(NA)	3	2	(NA)	(NA)
Electricity .....	2 447	1 014	(NA)	(NA)	4	6	(NA)	(NA)
Natural gas .....	1 219	646	(NA)	(NA)	4	9	(NA)	(NA)
Gasoline and diesel fuel (including gasohol) .....	27 115	18 700	(NA)	(NA)	3	2	(NA)	(NA)
Other, including lubricating oils and greases .....	2 224	3 334	(NA)	(NA)	3	3	(NA)	(NA)
Storage capacity for fuels (thousand gallons) <sup>3</sup> .....	989	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
Rental payments for machinery, equipment, and structures .....	24 840	10 805	(NA)	(NA)	3	4	(NA)	(NA)
For machinery and equipment .....	20 871	9 347	8 370	3 765	3	4	2	2
For structures .....	3 969	1 458	(NA)	(NA)	6	6	(NA)	(NA)
Selected purchased services .....	27 595	30 324	(NA)	(NA)	3	2	(NA)	(NA)
Communication services .....	4 522	2 550	(NA)	(NA)	4	4	(NA)	(NA)
Repairs to structures and related facilities .....	730	841	(NA)	(NA)	6	12	(NA)	(NA)
Repairs to machinery and equipment .....	22 343	26 932	(NA)	(NA)	3	2	(NA)	(NA)
Ownership of construction projects:								
Total construction receipts .....	1 038 734	630 497	239 596	136 898	2	2	4	2
Government owned .....	331 958	144 494	109 368	78 320	4	2	3	3
Privately owned .....	706 776	486 003	130 228	58 578	3	3	6	5

<sup>1</sup>Data were collected separately for establishments classified in SIC 1531, Operative Builders and SIC 6552, Subdividers and Developers, Except Cemeteries. For all other industries, data are included in other business receipts.

<sup>2</sup>For 1967 and 1972, includes data for power, fuels, and lubricants.

<sup>3</sup>Data were collected only for establishments classified as heavy construction contractors.

**Table 5. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll: 1982 and Earlier Census Years**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	1982	1977	1972	1967	Relative standard error of estimate (percent)			
					1982	1977	1972	1967
<b>STRUCTURES, MACHINERY, AND EQUIPMENT</b>								
Beginning-of-year gross book value of depreciable assets -----	281 800	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	27 841	38 369	14 579	7 224	5	4	5	7
New -----	19 415	31 763	11 264	4 405	5	4	3	3
Used -----	8 425	6 606	3 315	2 819	8	7	14	16
Retirements and disposition of depreciable assets -----	12 748	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	296 893	203 950	96 329	(NA)	3	3	5	(NA)
Depreciation charges during year -----	39 962	22 905	12 247	(NA)	3	3	9	(NA)
<b>Structures, Additions, and Related Facilities</b>								
Beginning-of-year gross book value of depreciable assets -----	41 115	(NA)	(NA)	(NA)	7	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	3 237	3 821	1 258	855	6	19	14	19
New structures and related facilities -----	3 104	3 197	820	650	6	10	7	3
Used structures and related facilities -----	133	624	438	205	24	28	22	36
Retirements and disposition of depreciable assets -----	1 837	(NA)	(NA)	(NA)	12	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	42 515	26 824	10 777	(NA)	7	7	21	(NA)
Depreciation charges during year -----	3 655	1 441	496	(NA)	9	10	25	(NA)
<b>Machinery and Equipment</b>								
Beginning-of-year gross book value of depreciable assets -----	240 684	(NA)	(NA)	(NA)	3	(NA)	(NA)	(NA)
Capital expenditures, other than land -----	24 604	34 549	13 321	6 369	6	5	9	10
New machinery and equipment, including automobiles and trucks -----	16 311	28 567	10 444	3 755	6	4	3	3
New automobiles and trucks, intended primarily for highway use -----	4 602	6 308	(NA)	(NA)	10	5	(NA)	(NA)
Used machinery and equipment, including automobiles and trucks -----	8 292	5 982	2 877	2 614	8	7	15	17
Retirements and disposition of depreciable assets -----	10 910	(NA)	(NA)	(NA)	6	(NA)	(NA)	(NA)
End-of-year gross book value of depreciable assets -----	254 378	177 126	85 552	(NA)	2	3	4	(NA)
Depreciation charges during year -----	36 306	21 464	11 751	(NA)	3	2	9	(NA)

**Table 6. Value of Inventories for Establishments With Payroll: 1982 and 1981**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Establishments with payroll	Relative standard error of estimate (percent)
<b>All establishments:</b>		
Number .....	1 819	4
Total construction receipts .....	1 038 734	2
<b>Establishments with inventories:</b>		
Number .....	643	11
Total construction receipts .....	445 251	3
<b>Inventories<sup>1</sup>:</b>		
End of 1982, total .....	24 659	6
Value for establishments with LIFO reserve .....	*614	43
Amount of LIFO reserve .....	132	34
Value for establishments with no LIFO reserve .....	24 045	6
End of 1981, total .....	19 323	5
Value for establishments with LIFO reserve .....	732	24
Amount of LIFO reserve .....	317	10
Value for establishments with no LIFO reserve .....	18 591	5
<b>Establishments with no inventories:</b>		
Number .....	1 176	4
Total construction receipts .....	593 483	3

<sup>1</sup>Inventories at cost or market prior to any adjustment to correct to LIFO values.

**Table 7. Selected Statistics for Establishments With Payroll by Employment Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
1982										
Number of establishments -----	1 819	1 129	366	180	94	38	8	2	1	-
All employees** -----	14 851	2 384	2 320	2 406	2 599	2 499	1 127	1 515	(D)	-
Payroll, all employees -----	253 400	26 132	34 353	40 248	48 119	48 755	23 474	32 317	(D)	-
Construction worker hours (thousands) -----	20 113	2 702	2 983	3 172	3 513	3 725	1 716	2 299	(D)	-
All business receipts -----	1 081 190	134 771	141 975	385 066	(D)	419 378	(D)	(D)	(D)	-
Total construction receipts -----	1 038 734	130 001	136 495	159 150	210 403	190 610	111 488	100 586	(D)	-
Net construction receipts† -----	808 260	108 987	113 360	130 266	158 979	144 118	70 442	82 107	(D)	-
Value added†† -----	511 870	66 955	65 940	82 191	108 096	104 205	84 282	(D)	(D)	-
Payments for materials, components, supplies, and fuels -----	333 390	44 848	51 505	53 311	58 851	73 548	(D)	51 326	(D)	-
Payments for construction work subcontracted to others -----	230 474	21 013	23 135	28 884	51 424	46 492	41 046	18 479	(D)	-
Rental payments for machinery, equipment, and structures -----	24 840	1 366	2 816	2 516	4 680	5 640	2 044	5 778	(D)	-
Capital expenditures, other than land -----	27 841	2 224	5 247	3 738	5 492	6 828	4 310	(D)	(D)	-
End-of-year gross book value of depreciable assets -----	296 893	34 686	39 587	46 373	61 193	74 019	31 741	9 292	(D)	-
1977										
All employees** -----	13 175	2 505	1 775	2 831	2 523	1 452	2 090	(D)	-	-
Total construction receipts -----	630 497	108 133	71 085	113 245	129 938	73 644	134 452	(D)	-	-
Value added†† -----	314 891	48 557	34 557	53 350	65 720	41 474	71 234	(D)	-	-
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)										
All employees** -----	2	6	9	7	4	(W)	(W)	(W)	-	-
Net construction receipts† -----	2	7	9	5	2	(W)	(W)	(W)	-	-
Capital expenditures, other than land -----	5	20	17	22	8	(W)	(W)	-	-	-

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

**Table 8. Selected Statistics for Establishments With Payroll by Receipts Size Class: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with all business receipts of—									
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
1982											
Number of establishments -----	1 819	225	183	297	432	300	172	133	43	18	14
All employees** -----	14 851	279	264	790	1 565	1 842	1 851	2 574	1 785	1 340	2 561
Payroll, all employees -----	253 400	776	1 465	6 120	18 311	27 780	29 416	49 816	37 858	28 474	53 381
Construction worker hours (thousands) -----	20 113	219	260	829	1 853	2 547	2 265	3 492	2 807	2 095	3 740
All business receipts -----	1 081 190	2 664	6 501	21 570	70 019	108 257	117 467	198 162	556 548	(D)	(D)
Total construction receipts -----	1 038 734	2 612	6 299	21 062	68 236	103 896	110 834	189 311	154 473	113 548	268 461
Net construction receipts† -----	808 260	2 220	5 732	19 156	60 929	89 493	94 634	147 713	127 952	88 184	172 246
Value added†† -----	511 670	1 456	3 488	11 745	37 109	53 901	60 176	93 371	81 704	57 908	110 809
Payments for materials, components, supplies, and fuels -----	333 390	797	2 337	7 841	25 197	38 879	39 768	61 704	50 051	32 807	74 006
Payments for construction work subcontracted to others -----	230 474	392	567	1 906	7 307	14 403	16 200	41 598	26 521	25 364	96 215
Rental payments for machinery, equipment, and structures -----	24 840	*26	61	398	1 029	1 829	2 314	3 531	4 182	2 936	8 531
Capital expenditures, other than land -----	27 841	*42	119	377	1 813	3 792	4 009	4 543	4 371	3 620	5 152
End-of-year gross book value of depreciable assets -----	296 893	1 079	1 778	6 915	19 939	28 862	45 055	53 055	44 890	41 103	54 215
1977											
All employees** -----	13 175	(S)	412	943	2 160	1 739	1 853	2 118	1 381	12 230	(NA)
Total construction receipts -----	630 497	(S)	7 127	24 283	79 243	69 595	84 600	123 584	85 640	1153 460	(NA)
Value added†† -----	314 891	(S)	3 454	13 836	39 231	33 482	42 554	60 290	46 454	174 320	(NA)
1982 RELATIVE STANDARD ERROR OF ESTIMATE (PERCENT)											
All employees** -----	2	11	12	13	9	9	8	4	(W)	(W)	(W)
Net construction receipts† -----	2	14	14	10	9	9	9	5	(W)	(W)	(W)
Capital expenditures, other than land -----	5	53	38	38	25	22	22	10	(W)	(W)	(W)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

\*Data for this size class includes establishments with receipts of \$10,000,000 or more, which were not tabulated separately in 1977.

**Table 9. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977**

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Type of construction	Construction receipts			Relative standard error of estimate (percent) for column—		
	Total	New construction <sup>1</sup>	Maintenance and repair			
	A	B	C	A	B	C
<b>1982</b>						
<b>Total construction receipts†</b>	<b>1 038 734</b>	<b>886 960</b>	<b>151 774</b>	<b>2</b>	<b>2</b>	<b>4</b>
<b>Building construction</b>	<b>547 703</b>	<b>484 077</b>	<b>63 625</b>	<b>3</b>	<b>2</b>	<b>5</b>
Single-family houses	179 661	151 615	28 046	6	6	11
Single-family houses, detached	138 847	114 538	24 308	6	6	12
Single-family houses, attached	40 813	37 076	3 737	13	15	15
Apartment buildings with two or more apartments	23 126	20 676	2 449	11	12	18
Other residential buildings	21 587	19 196	2 390	8	9	13
Office and bank buildings	66 083	59 973	6 110	5	5	12
Office buildings	54 882	50 261	4 621	6	6	15
Bank buildings and other financial institutions	11 201	9 712	1 488	5	5	10
Farm buildings	2 779	2 496	282	9	10	22
Industrial buildings and warehouses	54 291	46 030	8 261	8	10	11
Industrial buildings	43 133	35 798	7 334	10	12	12
Warehouses	11 158	10 231	927	13	14	11
Stores, restaurants, public garages, and automobile service stations	53 631	46 597	7 034	5	5	10
Religious buildings	6 768	5 503	1 265	8	10	11
Educational buildings	104 102	99 591	4 511	3	3	10
Hospitals and institutional buildings	22 437	20 096	2 340	2	2	7
Amusement, social, and recreational buildings	8 409	(D)	(D)	8	-	-
Other nonresidential buildings	4 823	(D)	(D)	29	-	-
<b>Nonbuilding construction</b>	<b>398 521</b>	<b>323 730</b>	<b>74 790</b>	<b>2</b>	<b>2</b>	<b>4</b>
Highways, streets, and related facilities	128 321	97 170	31 151	2	3	3
Parking areas	*2 009	*1 826	*183	50	55	55
Fencing	*4 132	*3 824	*308	42	45	56
Bridges, tunnels, and elevated highways	84 472	(D)	(D)	3	-	-
Dam and reservoir construction	2 922	(D)	(D)	3	-	-
Conservation and development construction	6 325	4 273	*2 052	22	33	41
Power and communication transmission lines, towers, and related facilities	16 430	16 067	362	11	9	39
Sewers, water mains, and related facilities	42 008	38 101	3 907	3	4	8
Sewers, sewer lines, and related facilities	22 005	19 777	2 227	5	4	13
Water mains and related facilities	20 003	18 324	1 679	5	5	10
Pipeline, other than sewer or water lines	19 803	15 647	4 155	(W)	(W)	(W)
Sewage treatment and water treatment plants	12 464	12 412	*52	11	11	47
Sewage treatment plants	4 729	4 699	*30	21	21	58
Water treatment plants	7 734	7 712	(S)	12	12	-
Heavy industrial facilities	12 885	8 776	4 109	7	8	8
Blast furnaces, petroleum refineries, and chemical complexes	7 591	4 806	2 785	12	15	11
Power plants	5 293	3 970	1 323	(W)	(W)	2
Oilfields	56 961	35 732	21 229	6	5	11
Other nonbuilding construction	9 789	6 281	3 497	16	16	38
<b>Construction work, n.s.k.</b>	<b>92 509</b>	<b>79 151</b>	<b>13 357</b>	<b>5</b>	<b>4</b>	<b>7</b>
<b>1977</b>						
<b>Total construction receipts†</b>	<b>630 497</b>	<b>544 751</b>	<b>85 746</b>	<b>2</b>	<b>2</b>	<b>4</b>
<b>Building construction</b>	<b>360 678</b>	<b>305 967</b>	<b>54 711</b>	<b>3</b>	<b>4</b>	<b>5</b>
Single-family houses	173 255	148 698	24 557	7	7	10
Apartment buildings with two or more apartments	19 790	17 522	2 268	10	11	16
Other residential buildings	(D)	11 299	(D)	-	7	-
Office and bank buildings	36 203	30 798	5 405	3	3	6
Industrial buildings and warehouses	45 834	37 413	8 421	6	6	8
Stores, restaurants, public garages, and automobile service stations	13 151	10 128	3 023	11	14	10
Religious buildings	1 651	875	776	10	10	19
Educational buildings	34 997	31 368	3 629	4	5	13
Hospitals and institutional buildings	16 374	13 079	3 295	9	6	34
Other nonresidential buildings	(D)	4 786	(D)	-	12	-
<b>Nonbuilding construction</b>	<b>240 046</b>	<b>212 506</b>	<b>27 540</b>	<b>1</b>	<b>1</b>	<b>4</b>
Highways, streets, and related facilities	136 839	124 753	12 086	2	2	3
Bridges, tunnels, and elevated highways	(D)	(D)	(D)	-	-	-
Conservation and development construction	7 859	8 190	1 669	23	25	25
Power and communication transmission lines, towers, and related facilities	(D)	(D)	(D)	-	-	-
Sewers, water mains, and related facilities	18 819	16 364	2 455	8	8	7
Pipeline, other than sewer or water lines	8 250	6 900	1 350	7	7	7
Heavy industrial facilities	18 876	15 680	2 996	1	1	(W)
Oilfields	10 020	6 452	3 568	8	4	20
Other nonbuilding construction	28 934	26 873	2 061	4	3	12
<b>Construction work, n.s.k.</b>	<b>29 780</b>	<b>26 229</b>	<b>3 551</b>	<b>7</b>	<b>6</b>	<b>11</b>

<sup>1</sup>Includes data for work done as additions and alterations.

**Table 10. Quarterly Construction Worker Hours and Employment for Establishments With**

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					Construction workers <sup>1</sup>	Hours worked (thousands)	Construction workers <sup>1</sup>	Hours worked (thousands)
		A	B	C	D	E	F	G
	<b>Construction Industries and subdividers and developers-----</b>	<b>1 819</b>	<b>12 521</b>	<b>20 113</b>	<b>11 675</b>	<b>4 569</b>	<b>12 630</b>	<b>5 347</b>
<b>15,16, 17</b>	<b>Construction Industries:</b>							
<b>15</b>	<b>General building contractors and operative builders:</b>							
152	General contractors, residential buildings:							
1521	Single-family houses -----	303	997	1 376	803	290	1 019	374
1522	Other residential buildings -----	34	137	228	123	49	146	67
1531	Operative builders -----	54	190	228	196	58	161	50
154	General contractors, nonresidential buildings:							
1541	Industrial buildings and warehouses -----	29	93	159	121	51	98	45
1542	Nonresidential buildings, n.e.c. -----	90	1 239	1 942	1 057	393	1 258	497
<b>16</b>	<b>Heavy construction general contractors:</b>							
1611	Highway and street construction -----	50	1 504	2 730	990	431	1 493	712
162	Heavy construction, except highway:							
1622	Bridge, tunnel, and elevated highway construction -----	6	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	44	751	1 485	625	302	734	381
1629	Heavy construction, n.e.c. -----	68	543	868	599	216	548	231
<b>17</b>	<b>Special trade contractors:</b>							
1711	Plumbing, heating, and air conditioning -----	199	953	1 574	807	356	957	420
1721	Painting, paper hanging, and decorating ----	66	237	238	220	53	187	50
1731	Electrical work -----	182	1 340	2 255	1 271	519	1 310	565
174	Masonry, plastering, and tile setting:							
1741	Masonry, stone setting, and other stonework -----	51	299	383	265	83	368	127
1742	Plastering, drywall, and insulation work ---	44	336	528	329	130	327	130
1743	Terrazzo, tile, marble, and mosaic work ---	*3	18	38	16	8	14	7
175	Carpentering and flooring:							
1751	Carpentering -----	96	347	465	280	103	321	111
1752	Floor laying and other floorwork -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work -----	45	246	345	207	70	217	77
1771	Concrete work -----	81	492	724	341	117	453	174
1781	Water well drilling -----	30	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:							
1791	Structural steel erection -----	16	82	142	*72	*29	97	44
1793	Glass and glazing work -----	15	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work -----	148	869	1 511	713	322	823	362
1795	Wrecking and demolition work -----	5	(S)	(S)	(S)	(S)	-	-
1796	Installing building equipment, n.e.c. -----	-	-	-	-	-	-	-
1799	Special trade contractors, n.e.c. -----	123	464	658	449	172	550	186
6552	Subdividers and developers, n.e.c. -----	26	43	53	42	12	42	12

<sup>1</sup>Sum of construction workers during pay periods including 12th of March, May, August, and November.

# Payroll by Industry: 1982

July to September		October to December		Relative standard error of estimate (percent) for column—										SIC code
Construction workers¹	Hours worked (thousands)	Construction workers¹	Hours worked (thousands)											
H	I	J	K	B	C	D	E	F	G	H	I	J	K	
13 447	5 616	11 509	4 579	2	2	2	2	2	3	2	3	2	3	15,16, 17
														15
1 072	397	938	313	9	11	10	14	9	12	10	14	11	15	152
139	62	119	49	26	23	30	26	30	33	25	27	24	25	1521
														1522
213	70	148	49	18	24	18	27	16	28	19	33	19	35	1531
80	33	65	29	12	13	14	15	11	19	13	24	15	24	154
1 371	543	1 220	507	5	5	4	5	8	6	5	5	6	7	1541
														1542
														16
2 009	955	1 508	630	3	3	3	4	3	4	2	3	5	5	1611
														162
(D)	(D)	(D)	(D)	-	-	-	-	-	-	-	-	-	-	1622
876	431	763	389	4	3	4	5	4	3	3	3	4	4	1623
464	222	547	198	10	9	10	12	11	11	9	10	11	10	1629
														17
971	422	949	374	10	9	9	11	9	10	13	11	13	12	1711
259	68	251	65	17	24	20	35	20	34	19	31	18	31	1721
1 431	818	1 277	552	5	8	5	7	5	7	7	9	5	7	1731
														174
264	86	258	86	24	28	20	28	27	34	24	33	30	33	1741
364	144	291	122	12	12	11	14	12	16	12	15	13	16	1742
19	10	22	12	23	23	26	34	30	39	22	27	19	22	1743
														175
417	139	330	111	13	15	16	23	15	22	12	18	12	19	1751
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1752
302	111	244	86	10	10	10	17	8	13	9	13	11	17	1761
628	232	513	200	18	18	15	20	16	21	18	21	17	22	1771
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1781
														179
*81	*32	77	*36	39	40	42	45	32	35	47	54	39	50	1791
(S)	(S)	(S)	(S)	-	-	-	-	-	-	-	-	-	-	1793
994	441	901	385	7	7	7	8	8	9	7	9	9	10	1794
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1795
-	-	-	-	-	-	-	-	-	-	-	-	-	-	1796
460	174	328	125	15	14	19	18	17	17	15	17	15	19	1799
46	14	44	13	8	11	8	32	8	32	8	27	8	29	6552

**Table 11. Selected Industry Ratios for Establishments With Payroll in This State: 1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

SIC code	Industry	Average number of employees** per establishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker (thousands)	Total construction receipts per employee (\$1,000)	Average per dollar of total construction receipts				
						Payroll, all employees	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Capital expenditures, other than land	Rental payments for machinery, equipment, and structures
	<b>Construction Industries and subdividers and developers -----</b>	<b>8.2</b>	<b>17.1</b>	<b>1.6</b>	<b>83.0</b>	<b>.244</b>	<b>.321</b>	<b>.222</b>	<b>.027</b>	<b>.024</b>
<b>15,16, 17</b>	<b>Construction Industries:</b>									
<b>15</b>	<b>General building contractors and operative builders:</b>									
152	General contractors, residential buildings:									
1521	Single-family houses -----	4.2	11.6	1.4	83.4	.176	.340	.290	.017	.014
1522	Other residential buildings -----	5.2	16.2	1.7	131.4	.159	.232	.447	.009	.002
1531	Operative builders -----	5.6	18.1	1.2	248.3	.117	.276	.349	.013	.005
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses -----	4.4	18.4	1.7	122.6	.205	*.283	.285	.022	.016
1542	Nonresidential buildings, n.e.c. -----	16.1	18.2	1.6	161.0	.133	.161	.541	.010	.008
<b>16</b>	<b>Heavy construction general contractors:</b>									
1611	Highway and street construction -----	35.5	18.6	1.8	79.4	.276	.401	.130	.072	.074
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction -----	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
1623	Water, sewer, and utility lines -----	19.6	20.6	2.0	84.6	.280	.270	.110	.042	.026
1629	Heavy construction, n.e.c. -----	9.6	19.8	1.6	78.6	.302	.234	.101	.066	.032
<b>17</b>	<b>Special trade contractors:</b>									
1711	Plumbing, heating, and air conditioning -----	6.0	16.1	1.7	69.8	.290	.417	.137	.011	.016
1721	Painting, paper hanging, and decorating -----	3.9	9.8	1.0	25.8	.411	.282	.053	.019	.007
1731	Electrical work -----	9.3	18.9	1.7	69.9	.341	.419	.027	.022	.018
174	Masonry, plastering, and tile setting:									
1741	Masonry, stone setting, and other stonework -----	6.4	8.9	1.3	31.5	.308	(D)	*.005	.013	.010
1742	Plastering, drywall, and insulation work -----	8.6	15.7	1.6	49.7	.358	.345	.084	.030	.010
1743	Terrazzo, tile, marble, and mosaic work -----	(D)	(D)	2.1	(D)	(D)	.475	*.006	.042	.018
175	Carpentering and flooring:									
1751	Carpentering -----	4.0	11.9	1.3	57.1	.234	.428	.173	.028	.010
1752	Floor laying and other floorwork -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1761	Roofing and sheet metal work -----	6.6	17.8	1.4	66.9	.319	.421	.151	.007	.016
1771	Concrete work -----	7.0	12.7	1.5	50.0	.294	(D)	.057	.030	.025
1781	Water well drilling -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
179	Miscellaneous special trade contractors:									
1791	Structural steel erection -----	5.6	17.3	1.7	*83.6	*.227	*.357	*.080	*.009	*.033
1793	Glass and glazing work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1794	Excavating and foundation work -----	6.6	18.6	1.7	75.0	.279	.227	.060	.041	.052
1795	Wrecking and demolition work -----	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
1796	Installing building equipment, n.e.c. -----	-	-	-	-	-	-	-	-	-
1799	Special trade contractors, n.e.c. -----	4.4	12.3	1.4	56.5	.255	.418	.049	.043	.014
<b>6552</b>	<b>Subdividers and developers, n.e.c. -----</b>	<b>3.9</b>	<b>9.6</b>	<b>1.2</b>	<b>72.5</b>	<b>.336</b>	<b>.258</b>	<b>.267</b>	<b>.029</b>	<b>.005</b>

**Table 12. Selected Statistics for Establishments With Payroll for Selected Standard Metropolitan Statistical Areas: 1982**

[Not applicable]

# APPENDIX A.

## Explanation of Terms

**Construction**—Is composed of three broad categories: (1) new construction, (2) additions and alterations, and (3) maintenance and repair. "New construction" includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators and escalators. "Additions and alterations" includes construction activity making structural changes to existing facilities. "Maintenance and repair" includes the restoration of existing buildings or other structures or their service facilities, including the replacement of integral parts. Repainting, repapering, reroofing, etc., are also included.

Construction includes:

- special trade contracting such as electrical work, painting, and carpentering on mobile structures (trailers, mobile homes, and ships).
- support activities by construction contractors on mineral properties, except the following: sinking mine shafts; tunneling and shoring mines; erection, repairing and dismantling of drilling rigs; and building well foundations.
- the physical development of land for purposes other than agriculture.
- demolition of existing structures.

Construction does not include:

- shipbuilding.
- manufacturing of other mobile structures.

**Number of establishments in business during year**—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

**Number of establishments in business at end of year**—Includes all full-year or part-year establishments that were in business at the end of 1982.

**Proprietors and working partners**—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners. The partnership factor was based on information received during a large-scale test conducted in prior years.

**All employees**—Comprised all full-time and part-time employees on the payrolls of construction establishments who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid-sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are excluded.

Total employment is calculated for each establishment and is derived by summing the construction workers data reported for March, May, August, and November, dividing by 4 and adding to it the number of other employees reported for March.

This approach was designed to simplify the questionnaire format and the reporting requirements of respondents. The industry average of these four selected pay periods approximates very closely the average employment for the year that would be obtained by using pay periods in all 12 months for almost all of the construction industries.

**Construction workers**—Includes all workers up through the working supervisor level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment operators, and on-site record keepers and security guards. Supervisory employees above the working supervisor level are excluded from this category but are included in the "other employees" category.

**Other employees**—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working supervisor level.

**Construction worker hours**—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1982 and are published in the detailed statistics tables.

**Payroll**—Includes the gross earnings paid in the calendar year 1982 to all employees on the payroll of construction establishments. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick-leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Payroll data were collected and tabulated for the employment categories described above and separately for the first quarter of 1982.

Payroll data for auxiliary establishments of multiestablishment companies are not included in these totals. Selected data for these types of establishments are found in the industry summary report and the 1982 Enterprise Statistics reports.

**Employer costs for fringe benefits**—Represents expenditures made by the employer during 1982 for legally required and voluntary fringe benefit programs for employees. These include employers' Social Security contributions, unemployment compensation, workers' compensation, State temporary disability payments, union negotiated benefits, life insurance premiums, pension plans, insurance premiums on hospital and medical plans, and welfare plans.

**All business receipts**—Includes all receipts from general contracting, special trade contracting or subcontracting, and land development and improvement work. It also includes all receipts from the sale of land (not recorded as fixed assets of the reporting establishments) and buildings built for sale. All other receipts from the reporting establishment's other business operations (rental of equipment to others, wholesale or retail sales, etc.) are also included.

Money obtained during the year in the form of construction loans is not treated as receipts, nor is money realized from the sale or other disposition of the establishment's fixed assets.

Also excluded are receipts from operations in foreign countries and nonoperating income such as interest and dividends.

All business receipts are broken down in the following detail:

**Total construction receipts**—Includes all receipts during 1982 for construction work performed by general contractors, special trades contractors or subcontractors, and for land development and improvement work. Included are receipts for maintenance and repair construction work, as well as for new construction and additions and alterations. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include in this item their 1982 receipts from the sale of buildings and other structures built for sale, excluding from these receipts the value of the land (see "land receipts" below) but including the value of any improvements an establishment made to the land. Builders who traded a new home or other building for an existing one were to include the estimated value of the trade-in.

Also included in construction receipts were fees received as sponsors of joint ventures and fees received as agents for owners (for construction work).

Excluded were receipts for separately definable architectural and engineering work done by the reporting establishment for others and receipts from the rental of equipment to others (see "other business receipts" below).

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies for construction purposes were instructed to include as construction receipts both the receipts for the installation and the receipts for the value (selling price) of the items installed. (Receipts for the selling price of items sold but not installed were to be included in "other business receipts.")

**Receipts for work subcontracted in from others**—Covers receipts during 1982 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total construction receipts accounted for by such work, and the percentages reported were applied to the reported construction receipts to develop a value for this item.

**Land receipts**—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in construction receipts.)

**Other business receipts**—Includes business receipts not reported as construction receipts or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

**Net construction receipts**—Derived for each establishment by subtracting the payments made for construction work subcontracted to others from the total construction receipts. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

**Value added**—Derived for each establishment, value added is equal to all business receipts, less payments for construction work subcontracted to others and payments for materials, components, supplies, and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, value added is modified to be equal to all business receipts less land receipts; payments for construction work subcontracted to others; and payments for materials, components, supplies, and fuels. (For a further explanation, see "Duplication of Receipts" section in the Introduction.)

**Selected payments**—Represents the total of payments for materials, components, and supplies; payments for construction work subcontracted to others; and payments for selected power, fuels, and lubricants. Capital expenditures and rental payments for machinery, equipment, and structures are shown elsewhere.

Payments for materials, components, and supplies include:

- total payments made by the reporting establishments during 1982 for the purchase of all materials, components, and supplies, except fuels, used for construction. (Supplies include expendable tools charged to current accounts.)
- freight and other direct charges incurred by the reporting establishment in acquiring the materials, components, and supplies are also included, as are the value of materials, components, and supplies obtained from other establishments of the respondent's company. Payments represent the amount paid after discounts.
- payments for materials, components, and supplies used by the reporting establishments in the construction of new plants or equipment for themselves, which are chargeable to their fixed assets accounts, are included in this item as are payments for materials bought and resold to others.
- payments made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Payments for materials, components, and supplies include only payments for physical goods and represent the amount paid after discounts.

Excluded from this item are:

- services such as advertising, telephone, telegraph and cable, insurance, developmental and research services of engineering, management, marketing, and other professional consultants, unless their costs are included in the prices paid for materials.
- overhead items such as depreciation charges against plant and equipment, rent and rental allowances, interest payments, royalties, patent fees, payments for land, rental of construction machinery or equipment, and construction work let out to other construction contractors.
- materials furnished to contractors by the owners of projects.

Payments for construction work subcontracted to others include:

- all payments made during 1982 for construction work subcontracted out to other construction contractors. General contractors were instructed to include payments to subcontractors. Builders were instructed to include payments made to general contractors and also payments made directly to subcontractors.
- special trade contractors were instructed to include payments made to other subcontractors. The payments made by the reporting establishment for its purchases of materials, components, and supplies are not included here, even if they were provided to a subcontractor for his use. Such purchases are reported under a separate category, "payments for materials, components, and supplies." However, if payments to subcontractors covered materials purchased directly by the subcontractors, then the total of such payments (including material charges) should have been reported in this item.

Excluded from this item are:

- payments made for the rental of construction machinery or equipment.

Payments for selected power, fuels, and lubricants include:

- payments made for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the parent company.
- payments made for natural and manufactured gas, fuel oil, coal and coke products, etc.

Dollar amounts include freight and other direct charges.

**Storage capacity for fuels**—Data for storage capacity for fuels were collected from heavy construction contractors, other than building construction contractors. Data are published in the detailed statistics tables for the heavy construction industries, i.e., SIC 1611, SIC 1622, SIC 1623, and SIC 1629.

**Rental payments for machinery, equipment, and structures**—Includes all payments made during 1982 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It excludes payments for the rental of land. It also excludes payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized. Such payments are included in "capital expenditures." It also excludes payments made under agreements which, in effect, are true subcontract construction arrangements; such payments are included in payments for "construction work subcontracted to others."

**Selected purchased services**—Includes all payments made during 1982 for communication services purchased from other companies or from other establishments of the parent company. It also includes the cost of all repairs made to structures and equipment by outside firms, or from other establishments of the parent companies. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increases the value of property, or the cost of adapting it for another use.

**Fixed assets and depreciation**—Refers to the value of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on fixed assets and depreciation were collected separately for: (1) structures, additions, and related facilities; (2) machinery and equipment; and (3) the total of both.

Respondents were asked to report the gross book value-acquisition cost (original cost or other basis) at the beginning and at the end of 1982. They were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1982.

**Capital expenditures**—Refers to all costs actually incurred during 1982 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment. Included are payments made under agreements which, in effect, are conditional sales contracts and which, as a result, are capitalized.

Respondents were instructed not to include any expenditures actually made prior to, or after 1982. For example, if they began construction of a building for an establishment's own use before 1982 and did not complete it until after 1982, they were to report only those costs actually incurred during 1982.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

- **New structures and related facilities**—Includes the total expenditures during 1982 for new buildings and structures, major additions and alterations to buildings and structures, and other facilities for the reporting establishment's use (such as roads, docks, tracks, parking lots, and fences). It excludes expenditures for land.
- **New machinery and equipment**—Includes expenditures for new machinery and new equipment. This item also includes capitalized repairs and improvements to used machinery and equipment.
- **New automobiles and trucks intended primarily for highway use**—Includes expenditures for new automobiles and trucks and capitalized repairs and improvements to used automobiles and trucks.
- **Used structures and related facilities**—Covers expenditures for used structures and related facilities acquired from others.
- **Used machinery and equipment**—Includes expenditures for used machinery and equipment acquired from others, including automobiles and trucks. Capitalized repairs and improvements to such equipment are reported as new machinery and equipment.

**Value of inventories**—Includes all of the materials and supplies that are owned and located within the United States. Excludes materials which are owned by others, but held by the reporting establishment.

Inventories of multiestablishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

**Establishments building structures on their own land for sale (operative builders)** were instructed to include the value of materials on hand at the end of the year but not to include the structures not yet sold or under construction.

Land subdividers and developers were instructed to include the value of materials on hand at the end of the year, but not include land not yet sold or under construction.

**Ownership of construction projects**—This item shows the distribution of construction receipts by ownership of the project—Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken and not to the financing. Government owned projects cover those owned by the Federal, Commonwealth, or local governments including public authorities and special districts.

**Types of construction**—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1982. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. However, complex projects consisting of two or more types of buildings, structures, or other facilities are difficult to classify because sufficient information is seldom available. Therefore, respondents were told to classify complex projects by the major function of the total complex.

In addition, heavy construction contractors and special trade contractors were requested to report the percentage of construction receipts derived from new construction work, including additions and alterations, and from maintenance and repair work for each of these types. General building contractors were requested to report the percentage of construction receipts derived from new construction work, from additions and alterations, and from maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of new construction, additions and alterations, and maintenance and repair.

#### Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (includes townhouses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken party or lot line wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures other than containing two or more housing units.
- **Other residential buildings**—Includes hotels, motels, dormitories, and other nonhousekeeping residential structures.
- **Bank buildings and other financial institutions**—Includes all buildings which are used primarily to house banks or other financial institutions.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, miniwarehouses, and other storage buildings.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Note that heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are NOT included in this category, but are shown under nonbuilding construction.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices.
- **Other commercial buildings such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, complete shopping centers, department stores, drug stores, restaurants, public garages, and auto service stations.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.

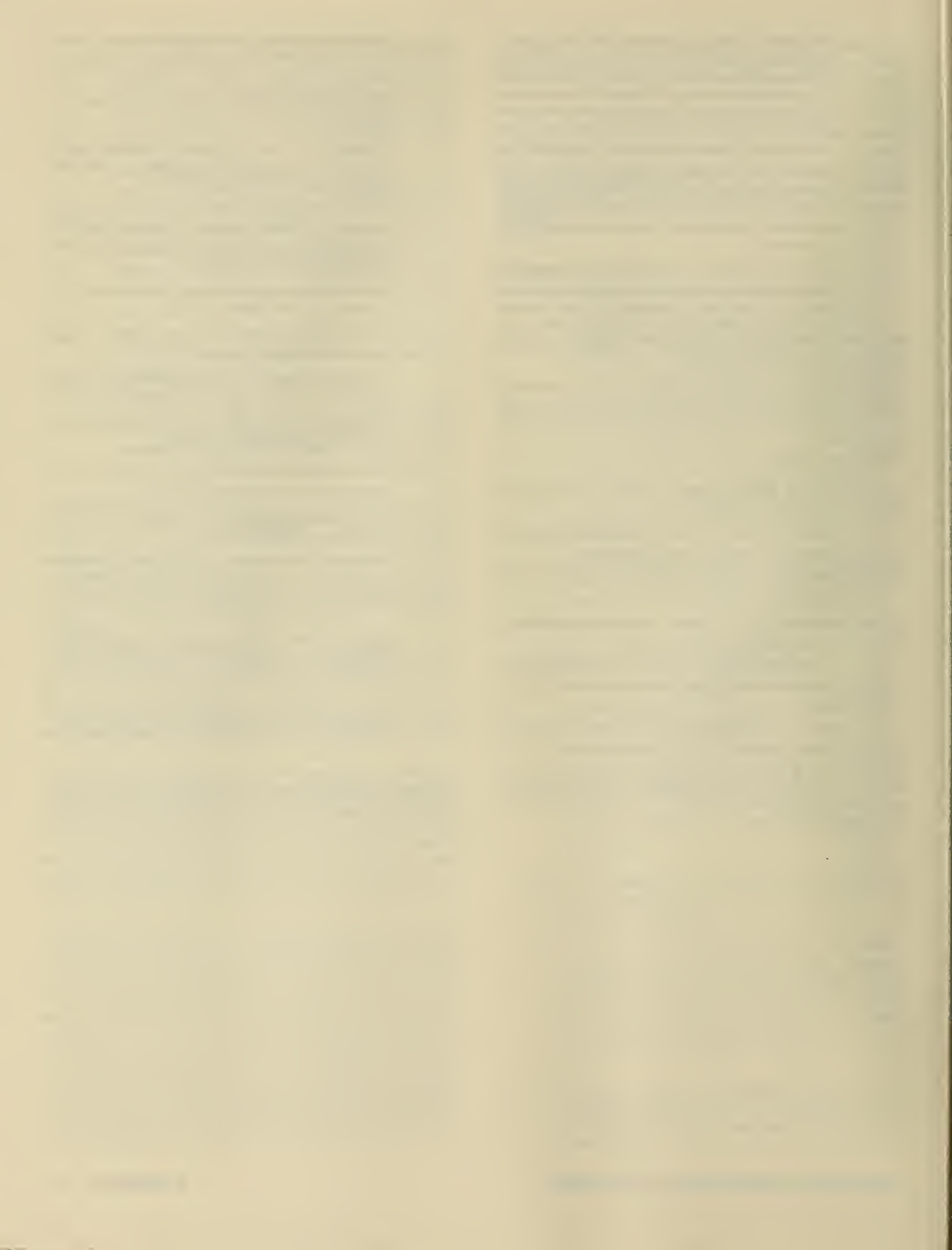
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social, and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes buildings which are not classified elsewhere, such as fire stations, bus and air passenger terminals, hangars, etc.

Nonbuilding construction:

- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Elevated highways**—Includes roads, highways, and causeways built on structural supports.
- **Bridges**—Includes viaducts, trestles, and overpasses.
- **Tunnels**—Includes highway, pedestrian, and railway tunnels, etc.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.

- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, dikes, and levees.
- **Power and communication transmission lines, towers, and related facilities**—Includes telephone and telegraph lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.
- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

**Location of construction work**—This item includes data for each State in which respondents engaged in construction work and the extent (percent of construction receipts) of that work.



# APPENDIX B. Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
<b>15</b>	<b>BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS</b>	<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.</b>
<b>152</b>	<b>General Building Contractors—Residential Buildings</b>	<b>173</b>	<b>Electrical Work Special Trade Contractors</b>
<b>1521</b>	General Contractors—Single-Family Houses	<b>1731</b>	Electrical Work Special Trade Contractors
<b>1522</b>	General Contractors—Residential Buildings, Other Than Single-Family Houses	<b>174</b>	<b>Masonry, Stonework, Tile Setting, and Plastering Special Trade Contractors</b>
<b>153</b>	<b>Operative Builders</b>	<b>1741</b>	Masonry, Stone Setting, and Other Stonework Special Trade Contractors
<b>1531</b>	Operative Builders	<b>1742</b>	Plastering, Drywall, Acoustical and Insulation Work Special Trade Contractors
<b>154</b>	<b>General Building Contractors—Nonresidential Buildings</b>	<b>1743</b>	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
<b>1541</b>	General Contractors—Industrial Buildings and Warehouses	<b>175</b>	<b>Carpentering and Flooring Special Trade Contractors</b>
<b>1542</b>	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	<b>1751</b>	Carpentering Special Trade Contractors
<b>16</b>	<b>CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—GENERAL CONTRACTORS</b>	<b>1752</b>	Floor Laying and Other Floorwork Special Trade Contractors, N.E.C.
<b>161</b>	<b>Highway and Street Construction, Except Elevated Highways</b>	<b>176</b>	<b>Roofing and Sheet Metal Work Special Trade Contractors</b>
<b>1611</b>	Highway and Street Construction Contractors	<b>1761</b>	Roofing and Sheet Metal Work Special Trade Contractors
<b>162</b>	<b>Heavy Construction, Except Highway and Street Construction</b>	<b>177</b>	<b>Concrete Work Special Trade Contractors</b>
<b>1622</b>	Bridge, Tunnel, and Elevated Highway Construction Contractors	<b>1771</b>	Concrete Work Special Trade Contractors
<b>1623</b>	Water, Sewer, Pipe Line, Communication and Power Line Construction Contractors	<b>178</b>	<b>Water Well Drilling Special Trade Contractors</b>
<b>1629</b>	Heavy Construction Contractors, N.E.C.	<b>1781</b>	Water Well Drilling Special Trade Contractors
<b>17</b>	<b>CONSTRUCTION—SPECIAL TRADE CONTRACTORS</b>	<b>179</b>	<b>Miscellaneous Special Trade Contractors</b>
<b>171</b>	<b>Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors</b>	<b>1791</b>	Structural Steel Erection Special Trade Contractors
<b>1711</b>	Plumbing, Heating (Except Electric), and Air Conditioning Special Trade Contractors	<b>1793</b>	Glass and Glazing Work Special Trade Contractors
<b>172</b>	<b>Painting, Paper Hanging, and Decorating Special Trade Contractors</b>	<b>1794</b>	Excavating and Foundation Work Special Trade Contractors
<b>1721</b>	Painting, Paper Hanging, and Decorating Special Trade Contractors	<b>1795</b>	Wrecking and Demolition Work Special Trade Contractors
		<b>1796</b>	Installation or Erection of Building Equipment Special Trade Contractors, N.E.C.
		<b>1799</b>	Special Trade Contractors, N.E.C.
		<b>6552</b>	<b>SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES</b>



# **APPENDIX C.**

## **Geographic Divisions and States**

### **NEW ENGLAND STATES**

Connecticut  
Maine  
Massachusetts  
New Hampshire  
Rhode Island  
Vermont

### **MIDDLE ATLANTIC STATES**

New Jersey  
New York  
Pennsylvania

### **EAST NORTH CENTRAL STATES**

Illinois  
Indiana  
Michigan  
Ohio  
Wisconsin

### **WEST NORTH CENTRAL STATES**

Iowa  
Kansas  
Minnesota  
Missouri  
North Dakota  
South Dakota

### **SOUTH ATLANTIC STATES**

Delaware  
District of Columbia  
Florida  
Georgia  
Maryland

### **SOUTH ATLANTIC STATES—Con.**

North Carolina  
South Carolina  
Virginia  
West Virginia

### **EAST SOUTH CENTRAL STATES**

Alabama  
Kentucky  
Mississippi  
Tennessee

### **WEST SOUTH CENTRAL STATES**

Arkansas  
Louisiana  
Oklahoma  
Texas

### **MOUNTAIN STATES**

Arizona  
Colorado  
Idaho  
Montana  
Nevada  
New Mexico  
Utah  
Wyoming

### **PACIFIC STATES**

Alaska  
California  
Hawaii  
Oregon  
Washington



# APPENDIX D.

## Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

### Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
<b>Boston-Lawrence-Lowell, Mass.-N.H.</b> Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA  <b>Chicago-Gary-Kenosha, Ill.-Ind.-Wis.<sup>1</sup></b> Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA <sup>1</sup>  <b>Cincinnati-Hamilton, Ohio-Ky.-Ind.</b> Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA  <b>Cleveland-Akron-Lorain, Ohio</b> Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA  <b>Dayton-Springfield, Ohio<sup>2</sup></b> Dayton, Ohio, SMSA Springfield, Ohio, SMSA  <b>Detroit-Ann Arbor, Mich.</b> Ann Arbor, Mich., SMSA Detroit, Mich., SMSA	<b>Houston-Galveston, Tex.</b> Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA  <b>Indianapolis-Anderson, Ind.<sup>2</sup></b> Anderson, Ind., SMSA Indianapolis, Ind., SMSA  <b>Los Angeles-Long Beach-Anaheim, Calif.</b> Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA  <b>Miami-Fort Lauderdale, Fla.</b> Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA  <b>Milwaukee-Racine, Wis.</b> Milwaukee, Wis., SMSA Racine, Wis., SMSA  <b>New York-Newark-Jersey City, N.Y.-N.J.-Conn.</b> Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	<b>New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Con.</b> New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA  <b>Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md.</b> Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA  <b>Providence-Fall River, R.I.-Mass.<sup>2</sup></b> Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA  <b>San Francisco-Oakland-San Jose, Calif.</b> San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA <sup>3</sup> Vallejo-Fairfield-Napa, Calif., SMSA  <b>Seattle-Tacoma, Wash.</b> Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA

<sup>1</sup>1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

<sup>2</sup>New SCSA since 1977 Economic Censuses.

<sup>3</sup>Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

### Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
<b>Abilene, Tex.</b> Callahan County, Tex. Jones County, Tex. Taylor County, Tex.  <b>Akron, Ohio</b> Portage County, Ohio Summit County, Ohio  <b>Albany, Ga.</b> Dougherty County, Ga. Lee County, Ga.  <b>Albany-Schenectady-Troy, N.Y.</b> Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y.  <b>Albuquerque, N. Mex.</b> Bernalillo County, N. Mex. Sandoval County, N. Mex.  <b>Alexandria, La.</b> Grant Parish, La. Rapides Parish, La.  <b>Allentown-Bethlehem-Easton, Pa.-N.J.</b> Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	<b>Altoona, Pa.</b> Blair County, Pa.  <b>Amarillo, Tex.</b> Potter County, Tex. Randall County, Tex.  <b>Anaheim-Santa Ana-Garden Grove, Calif.</b> Orange County, Calif.  <b>Anchorage, Alaska</b> Anchorage Borough, Alaska  <b>Anderson, Ind.</b> Madison County, Ind.  <b>Anderson, S.C.<sup>1</sup></b> Anderson County, S.C.  <b>Ann Arbor, Mich.</b> Washtenaw County, Mich.  <b>Anniston, Ala.</b> Calhoun County, Ala.  <b>Appleton-Oshkosh, Wis.</b> Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis.  <b>Asheville, N.C.</b> Buncombe County, N.C. Madison County, N.C.	<b>Athens, Ga.<sup>1</sup></b> Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga.  <b>Atlanta, Ga.</b> Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga.  Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga.  Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga.  <b>Atlantic City, N.J.</b> Atlantic County, N.J.  <b>Augusta, Ga.-S.C.</b> Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Austin, Tex.</b> Hays County, Tex. Travis County, Tex. Williamson County, Tex.	<b>Boston, Mass.</b> Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass.  Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass.  Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass.  Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass.  Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass.  Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass.  Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass.  North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass.  Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass.  Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass.  Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass.  Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass.  Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass.  Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	<b>Boston, Mass.—Con.</b> Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass.  Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass.  Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass.  Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass.  <b>Bradenton, Fla.</b> Manatee County, Fla.
<b>Bakersfield, Calif.</b> Kern County, Calif.		<b>Bridgeport, Conn.</b> Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn.  New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. <sup>3</sup> Woodmont borough, Conn. <sup>3</sup>
<b>Baltimore, Md.</b> Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md. <sup>2</sup>		<b>Bristol, Conn.</b> Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn.  Litchfield County, Conn. (part) Plymouth town, Conn.
<b>Bangor, Maine<sup>1</sup></b> Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine  Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine  Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Veazie town, Maine  Waldo County, Maine (part) Winterport town, Maine		<b>Brockton, Mass.</b> Bristol County, Mass. (part) Easton town, Mass.  Norfolk County, Mass. (part) Avon town, Mass.  Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.
<b>Baton Rouge, La.</b> Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.		<b>Brownsville-Harlingen-San Benito, Tex.</b> Cameron County, Tex.
<b>Battle Creek, Mich.</b> Barry County, Mich. Calhoun County, Mich.		<b>Bryan-College Station, Tex.</b> Brazos County, Tex.
<b>Bay City, Mich.</b> Bay County, Mich.		<b>Buffalo, N.Y.</b> Erie County, N.Y. Niagara County, N.Y.
<b>Beaumont-Port Arthur-Orange, Tex.</b> Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.		<b>Burlington, N.C.</b> Alamance County, N.C.
<b>Bellingham, Wash.<sup>1</sup></b> Whatcom County, Wash.		<b>Burlington, Vt.<sup>1</sup></b> Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.
<b>Benton Harbor, Mich.<sup>1</sup></b> Berrien County, Mich.		
<b>Billings, Mont.</b> Yellowstone County, Mont.		
<b>Bloxi-Gulfport, Miss.</b> Hancock County, Miss. Harrison County, Miss. Stone County, Miss.		
<b>Binghamton, N.Y.-Pa.</b> Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.		
<b>Birmingham, Ala.</b> Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.		
<b>Bismarck, N. Dak.<sup>1</sup></b> Burleigh County, N. Dak. Morton County, N. Dak.		
<b>Bloomington, Ind.</b> Monroe County, Ind.		
<b>Bloomington-Normal, Ill.</b> McLean County, Ill.		
<b>Boise City, Idaho</b> Ada County, Idaho		

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Burlington, Vt.<sup>1</sup>—Con.</b> Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt.  Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt.  Franklin County, Vt. (part) Georgia town, Vt.  Grand Isle County, Vt. (part) South Hero town, Vt.	<b>Columbia, Mo.</b> Boone County, Mo.  <b>Columbia, S.C.</b> Lexington County, S.C. Richland County, S.C.  <b>Columbus, Ga.-Ala.</b> Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. <sup>4</sup>  <b>Columbus, Ohio</b> Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio  <b>Corpus Christi, Tex.</b> Nueces County, Tex. San Patricio County, Tex.  <b>Cumberland, Md.-W. Va.<sup>1</sup></b> Allegany County, Md. Mineral County, W. Va.  <b>Dallas-Fort Worth, Tex.</b> Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex.  Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.  <b>Danbury, Conn.</b> Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn.  Litchfield County, Conn. (part) New Milford town, Conn.  <b>Danville, Va.<sup>1</sup></b> Pittsylvania County, Va. Danville city, Va. <sup>2</sup>  <b>Davenport-Rock Island-Moline, Iowa-Ill.</b> Henry County, Ill. Rock Island County, Ill. Scott County, Iowa  <b>Dayton, Ohio</b> Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio  <b>Daytona Beach, Fla.</b> Volusia County, Fla.  <b>Decatur, Ill.</b> Macon County, Ill.  <b>Denver-Boulder, Colo.</b> Adams County, Colo. Arapahoe County, Colo. Boulder County, Colo. Denver County, Colo. Douglas County, Colo. Gilpin County, Colo. Jefferson County, Colo.  <b>Des Moines, Iowa</b> Polk County, Iowa Warren County, Iowa  <b>Detroit, Mich.</b> Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.  <b>Dubuque, Iowa</b> Dubuque County, Iowa	<b>Duluth-Superior, Minn.-Wis.</b> St. Louis County, Minn. Douglas County, Wis.  <b>Eau Claire, Wis.</b> Chippewa County, Wis. Eau Claire County, Wis.  <b>El Paso, Tex.</b> El Paso County, Tex.  <b>Elkhart, Ind.<sup>1</sup></b> Elkhart County, Ind.  <b>Elmira, N.Y.</b> Chemung County, N.Y.  <b>Enid, Okla.<sup>1</sup></b> Garfield County, Okla.  <b>Erie, Pa.</b> Erie County, Pa.  <b>Eugene-Springfield, Oreg.</b> Lane County, Oreg.  <b>Evansville, Ind.-Ky.</b> Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.  <b>Fall River, Mass.-R.I.</b> Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass.  Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I.  <b>Fargo-Moorhead, N. Dak.-Minn.</b> Clay County, Minn. Cass County, N. Dak.  <b>Fayetteville, N.C.</b> Cumberland County, N.C.  <b>Fayetteville-Springdale, Ark.</b> Benton County, Ark. Washington County, Ark.  <b>Fitchburg-Leominster, Mass.</b> Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.  Worcester County, Mass. (part) Fitchburg city, Mass. Leominster city, Mass. Lunenburg town, Mass. Westminster town, Mass.  <b>Flint, Mich.</b> Genesee County, Mich. Shiawassee County, Mich.  <b>Florence, Ala.</b> Colbert County, Ala. Lauderdale County, Ala.  <b>Florence, S.C.<sup>1</sup></b> Florence County, S.C.  <b>Fort Collins, Colo.</b> Larimer County, Colo.  <b>Fort Lauderdale-Hollywood, Fla.</b> Broward County, Fla.  <b>Fort Myers-Cape Coral, Fla.<sup>1</sup></b> Lee County, Fla.  <b>Fort Smith, Ark.-Okla.</b> Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla.  <b>Fort Walton Beach, Fla.<sup>1</sup></b> Okaloosa County, Fla.

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Fort Wayne, Ind.</b> Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	<b>Hartford, Conn.—Con.</b> Hartford County, Conn. (part)—Con. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn.	<b>Jersey City, N.J.</b> Hudson County, N.J.
<b>Fresno, Calif.</b> Fresno County, Calif.	Litchfield County, Conn. (part) New Hartford town, Conn.	<b>Johnson City-Kingaport-Bristol, Tenn.-Va.</b> Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn.
<b>Gadsden, Ala.</b> Etowah County, Ala.	Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn.	Scott County, Va. Washington County, Va. Bristol city, Va. <sup>2</sup>
<b>Gainesville, Fla.</b> Alachua County, Fla.	New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn.	<b>Johnatown, Pa.</b> Cambria County, Pa. Somerset County, Pa.
<b>Galveston-Texas City, Tex.</b> Galveston County, Tex.	Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn.	<b>Joplin, Mo.<sup>1</sup></b> Jasper County, Mo. Newton County, Mo.
<b>Gary-Hammond-East Chicago, Ind.</b> Lake County, Ind. Porter County, Ind.	Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	<b>Kalamazoo-Portage, Mich.</b> Kalamazoo County, Mich. Van Buren County, Mich.
<b>Glens Falls, N.Y.<sup>1</sup></b> Warren County, N.Y. Washington County, N.Y.	<b>Hickory, N.C.<sup>1</sup></b> Alexander County, N.C. Catawba County, N.C.	<b>Kankakee, Ill.</b> Kankakee County, Ill.
<b>Grand Forks, N. Dak.-Minn.</b> Polk County, Minn. Grand Forks County, N. Dak.	<b>Honolulu, Hawaii</b> Honolulu County, Hawaii	<b>Kansas City, Mo.-Kans.</b> Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
<b>Grand Rapids, Mich.</b> Kent County, Mich. Ottawa County, Mich.	<b>Houston, Tex.</b> Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	<b>Kenosha, Wia.</b> Kenosha County, Wis.
<b>Great Falls, Mont.</b> Cascade County, Mont.	<b>Huntington-Ashland, W. Va.-Ky.-Ohio</b> Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	<b>Killeen-Temple, Tex.</b> Bell County, Tex. Coryell County, Tex.
<b>Greeley, Colo.</b> Weld County, Colo.	<b>Huntville, Ala.</b> Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	<b>Knoxville, Tenn.</b> Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
<b>Green Bay, Wis.</b> Brown County, Wis.	<b>Indianapolis, Ind.</b> Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind.	<b>Kokomo, Ind.</b> Howard County, Ind. Tipton County, Ind.
<b>Greensboro-Winston-Salem-High Point, N.C.</b> Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	<b>Marion County, Ind.</b> Morgan County, Ind. Shelby County, Ind.	<b>La Crosse, Wia.</b> La Crosse County, Wis.
<b>Greenville-Spartanburg, S.C.</b> Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.	<b>Iowa City, Iowa<sup>1</sup></b> Johnson County, Iowa	<b>Lafayette, La.</b> Lafayette Parish, La.
<b>Hagerstown, Md.<sup>1</sup></b> Washington County, Md.	<b>Jackaon, Mich.</b> Jackson County, Mich.	<b>Lafayette-Weat Lafayette, Ind.</b> Tippecanoe County, Ind.
<b>Hamilton-Middletown, Ohio</b> Butler County, Ohio	<b>Jackaon, Miss.</b> Hinds County, Miss. Rankin County, Miss.	<b>Lake Charlea, La.</b> Calcasieu Parish, La.
<b>Harrisburg, Pa.</b> Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.	<b>Jackaonville, Fla.</b> Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	<b>Lakeland-Winter Haven, Fla.</b> Polk County, Fla.
<b>Hartford, Conn.</b> Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn.	<b>Jackaonville, N.C.<sup>1</sup></b> Onslow County, N.C.	<b>Lancaster, Pa.</b> Lancaster County, Pa.
East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn.	<b>Janesville-Beloit, Wia.<sup>1</sup></b> Rock County, Wis.	<b>Lanaing-East Lansing, Mich.</b> Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.
Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		<b>Laredo, Tex.</b> Webb County, Tex.

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p><b>Lawrence-Haverhill, Mass.-N.H.</b> Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass.</p> <p>Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass.</p> <p>Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.</p>	<p><b>Macon, Ga.</b> Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga.</p> <p><b>Madison, Wis.</b> Dane County, Wis.</p> <p><b>Manchester, N.H.</b> Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H.</p> <p>Merrimack County, N.H. (part) Allenstown town, N.H. Hooksett town, N.H. Pembroke town, N.H.</p> <p>Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.</p>	<p><b>Nashua, N.H.</b> Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.</p> <p><b>Nashville-Davidson, Tenn.</b> Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn.</p> <p>Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.</p>
<p><b>Lawton, Okla.</b> Comanche County, Okla.</p>	<p><b>Mansfield, Ohio</b> Richland County, Ohio</p>	<p><b>Nassau-Suffolk, N.Y.</b> Nassau County, N.Y. Suffolk County, N.Y.</p>
<p><b>Lewiston-Auburn, Maine</b> Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine</p>	<p><b>McAllen-Pharr-Edinburg, Tex.</b> Hidalgo County, Tex.</p>	<p><b>New Bedford, Mass.</b> Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.</p>
<p><b>Lexington-Fayette, Ky.</b> Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.</p>	<p><b>Medford, Oreg.<sup>1</sup></b> Jackson County, Oreg.</p>	<p>Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.</p>
<p><b>Lima, Ohio</b> Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio</p>	<p><b>Melbourne-Titusville-Cocoa, Fla.</b> Brevard County, Fla.</p>	<p><b>New Britain, Conn.</b> Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.</p>
<p><b>Lincoln, Nebr.</b> Lancaster County, Nebr.</p>	<p><b>Memphis, Tenn.-Ark.-Miss.</b> Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.</p>	<p><b>New Brunswick-Perth Amboy-Sayreville, N.J.</b> Middlesex County, N.J.</p>
<p><b>Little Rock-North Little Rock, Ark.</b> Pulaski County, Ark. Saline County, Ark.</p>	<p><b>Meriden, Conn.</b> New Haven County, Conn. (part) Meriden city, Conn.</p>	<p><b>New Haven-West Haven, Conn.</b> Middlesex County, Conn. (part) Clinton town, Conn.</p>
<p><b>Long Branch-Asbury Park, N.J.</b> Monmouth County, N.J.</p>	<p><b>Miami, Fla.</b> Dade County, Fla.</p>	<p><b>New Haven County, Conn. (part)</b> Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.</p>
<p><b>Longview-Marshall, Tex.<sup>6</sup></b> Gregg County, Tex. Harrison County, Tex.</p>	<p><b>Midland, Tex.</b> Midland County, Tex.</p>	<p>Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.</p>
<p><b>Lorain-Elyria, Ohio</b> Lorain County, Ohio</p>	<p><b>Milwaukee, Wis.</b> Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.</p>	<p>Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.</p>
<p><b>Los Angeles-Long Beach, Calif.</b> Los Angeles County, Calif.</p>	<p><b>Minneapolis-St. Paul, Minn.-Wis.</b> Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn.</p>	<p><b>New London-Norwich, Conn.-R.I.</b> Middlesex County, Conn. (part) Fenwick borough, Conn.<sup>7</sup> Old Saybrook town, Conn.</p>
<p><b>Louisville, Ky.-Ind.</b> Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.</p>	<p>Ramsey County, Minn. Scott County, Minn. Washington County, Minn. Wright County, Minn. St. Croix County, Wis.</p>	<p><b>New London County, Conn. (part)</b> Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.</p>
<p><b>Lowell, Mass.-N.H.</b> Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass.</p>	<p><b>Mobile, Ala.</b> Baldwin County, Ala. Mobile County, Ala.</p>	<p>Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.</p>
<p>Hillsborough County, N.H. (part) Pelham town, N.H.</p>	<p><b>Modesto, Calif.</b> Stanislaus County, Calif.</p>	
<p><b>Lubbock, Tex.</b> Lubbock County, Tex.</p>	<p><b>Monroe, La.</b> Ouachita Parish, La.</p>	
<p><b>Lynchburg, Va.</b> Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va.<sup>2</sup></p>	<p><b>Montgomery, Ala.</b> Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.</p>	
	<p><b>Muncie, Ind.</b> Delaware County, Ind.</p>	
	<p><b>Muskegon-Norton Shores-Muskegon Heights, Mich.</b> Muskegon County, Mich. Oceana County, Mich.</p>	

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>New London-Norwich, Conn.-R.I.—Con.</b> New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn.  Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.	<b>Orlando, Fla.</b> Orange County, Fla. Osceola County, Fla. Seminole County, Fla.  <b>Owensboro, Ky.</b> Daviess County, Ky.  <b>Oxnard-Simi Valley-Ventura, Calif.</b> Ventura County, Calif.	<b>Portland, Maine—Con.</b> Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine  York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine
<b>New Orleans, La.</b> Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.	<b>Panama City, Fla.</b> Bay County, Fla.	<b>Portland, Oreg.-Wash.</b> Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.
<b>New York, N.Y.-N.J.</b> Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y.  Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.	<b>Parkersburg-Marletta, W. Va.-Ohio</b> Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.	<b>Portsmouth-Dover-Rochester, N.H.-Maine<sup>1</sup></b> York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine
<b>Newark, N.J.</b> Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.	<b>Pascagoula-Moss Point, Miss.</b> Jackson County, Miss.	Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.  Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.
<b>Newark, Ohio<sup>1</sup></b> Licking County, Ohio	<b>Paterson-Clifton-Passaic, N.J.</b> Passaic County, N.J.	Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.  Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.
<b>Newburgh-Middletown, N.Y.<sup>1</sup></b> Orange County, N.Y.	<b>Pensacola, Fla.</b> Escambia County, Fla. Santa Rosa County, Fla.	<b>Poughkeepsie, N.Y.</b> Dutchess County, N.Y.
<b>Newport News-Hampton, Va.</b> Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va. <sup>2</sup> Newport News city, Va. <sup>2</sup> Poquoson city, Va. <sup>2</sup> Williamsburg city, Va. <sup>2</sup>	<b>Peoria, Ill.</b> Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.	<b>Providence-Warwick-Pawtucket, R.I.-Mass.</b> Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.
<b>Norfolk-Virginia Beach-Portsmouth, Va.-N.C.</b> Currituck County, N.C. Chesapeake city, Va. <sup>2</sup> Norfolk city, Va. <sup>2</sup> Portsmouth city, Va. <sup>2</sup> Suffolk city, Va. <sup>2</sup> Virginia Beach city, Va. <sup>2</sup>	<b>Petersburg-Colonial Heights-Hopewell, Va.</b> Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va. <sup>2</sup> Hopewell city, Va. <sup>2</sup> Petersburg city, Va. <sup>2</sup>	Norfolk County, Mass. (part) Plainville town, Mass.
<b>Northeast Pennsylvania</b> Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.	<b>Philadelphia, Pa.-N.J.</b> Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa.  Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.	Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.
<b>Norwalk, Conn.</b> Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.	<b>Phoenix, Ariz.</b> Maricopa County, Ariz.	Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.
<b>Ocala, Fla.<sup>1</sup></b> Marion County, Fla.	<b>Pine Bluff, Ark.</b> Jefferson County, Ark.	Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.
<b>Odessa, Tex.</b> Ector County, Tex.	<b>Pittsburgh, Pa.</b> Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.	Newport County, R.I. (part) Jamestown town, R.I.
<b>Oklahoma City, Okla.</b> Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.	<b>Pittsfield, Mass.</b> Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass.  Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.	Providence County, R.I. (part) Burrillville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I.
<b>Olympia, Wash.<sup>1</sup></b> Thurston County, Wash.	<b>Portland, Maine</b> Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine	Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.
<b>Omaha, Nebr.-Iowa</b> Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.		

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# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Providence-Warwick-Pawtucket, R.I.-Mass.—Con.</b> Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I.  Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	<b>St. Louis, Mo.-Ill.</b> Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo.  Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. <sup>2</sup>	<b>Springfield, Ill.</b> Menard County, Ill. Sangamon County, Ill.
<b>Provo-Orem, Utah</b> Utah County, Utah	<b>Salem, Oreg.</b> Marion County, Oreg. Polk County, Oreg.	<b>Springfield, Mo.</b> Christian County, Mo. Greene County, Mo.
<b>Pueblo, Colo.</b> Pueblo County, Colo.	<b>Sallinas-Seaside-Monterey, Calif.</b> Monterey County, Calif.	<b>Springfield, Ohio</b> Champaign County, Ohio Clark County, Ohio
<b>Racine, Wis.</b> Racine County, Wis.	<b>Sallsbury-Concord, N.C.<sup>1</sup></b> Cabarrus County, N.C. Rowan County, N.C.	<b>Springfield-Chicopee-Holyoke, Mass.-Conn.</b> Tolland County, Conn. (part) Somers town, Conn.
<b>Raleigh-Durham, N.C.</b> Durham County, N.C. Orange County, N.C. Wake County, N.C.	<b>Salt Lake City-Ogden, Utah</b> Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah	Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.  Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.
<b>Reading, Pa.</b> Berk County, Pa.	<b>San Angelo, Tex.</b> Tom Green County, Tex.	Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.
<b>Redding, Calif.<sup>1</sup></b> Shasta County, Calif.	<b>San Antonio, Tex.</b> Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.	Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.
<b>Reno, Nev.</b> Washoe County, Nev.	<b>San Diego, Calif.</b> San Diego County, Calif.	Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.
<b>Richland-Kennewick-Pasco, Wash.<sup>8</sup></b> Benton County, Wash. Franklin County, Wash.	<b>San Francisco-Oakland, Calif.</b> Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.	Worcester County, Mass. (part) Warren town, Mass.
<b>Richmond, Va.</b> Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va.  New Kent County, Va. Powhatan County, Va. Richmond city, Va. <sup>2</sup>	<b>San Jose, Calif.</b> Santa Clara County, Calif.	<b>Stamford, Conn.</b> Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.
<b>Riverside-San Bernardino-Ontario, Calif.</b> Riverside County, Calif. San Bernardino County, Calif.	<b>Santa Barbara-Santa Maria-Lompoc, Calif.</b> Santa Barbara County, Calif.	<b>State College, Pa.<sup>1</sup></b> Centre County, Pa.
<b>Roanoke, Va.</b> Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va. <sup>2</sup> Salem city, Va. <sup>2</sup>	<b>Santa Cruz, Calif.</b> Santa Cruz County, Calif.	<b>Steubenville-Weirton, Ohio-W. Va.</b> Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.
<b>Rochester, Minn.</b> Olmsted County, Minn.	<b>Santa Rosa, Calif.</b> Sonoma County, Calif.	<b>Stockton, Calif.</b> San Joaquin County, Calif.
<b>Rochester, N.Y.</b> Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.	<b>Sarasota, Fla.</b> Sarasota County, Fla.	<b>Syracuse, N.Y.</b> Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.
<b>Rockford, Ill.</b> Boone County, Ill. Winnebago County, Ill.	<b>Savannah, Ga.</b> Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.	<b>Tacoma, Wash.</b> Pierce County, Wash.
<b>Rock Hill, S.C.<sup>1</sup></b> York County, S.C.	<b>Seattle-Everett, Wash.</b> King County, Wash. Snohomish County, Wash.	<b>Tallahassee, Fla.</b> Leon County, Fla. Wakulla County, Fla.
<b>Sacramento, Calif.</b> Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.	<b>Sharon, Pa.<sup>1</sup></b> Mercer County, Pa.	<b>Tampa-St. Petersburg, Fla.</b> Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.
<b>Saginaw, Mich.</b> Saginaw County, Mich.	<b>Sheboygan, Wis.<sup>1</sup></b> Sheboygan County, Wis.	<b>Terre Haute, Ind.</b> Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.
<b>St. Cloud, Minn.</b> Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.	<b>Sherman-Denison, Tex.</b> Grayson County, Tex.	<b>Texarkana, Tex.-Texarkana, Ark.</b> Little River County, Ark. Miller County, Ark. Bowie County, Tex.
<b>St. Joseph, Mo.</b> Andrew County, Mo. Buchanan County, Mo.	<b>Shreveport, La.</b> Bossier Parish, La. Caddo Parish, La. Webster Parish, La.	
	<b>Sloux City, Iowa-Nebr.</b> Woodbury County, Iowa Dakota County, Nebr.	
	<b>Sloux Falls, S. Dak.</b> Minnehaha County, S. Dak.	
	<b>South Bend, Ind.</b> Marshall County, Ind. St. Joseph County, Ind.	
	<b>Spokane, Wash.</b> Spokane County, Wash.	

See footnotes at end of appendix.

# Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<b>Toledo, Ohio-Mich.</b> Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	<b>Washington, D.C.-Md.-Va.</b> Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va.  Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. <sup>2</sup> Fairfax city, Va. <sup>2</sup>  Falls Church city, Va. <sup>2</sup> Manassas city, Va. <sup>2</sup> Manassas Park city, Va. <sup>2</sup>	<b>Wichita Falls, Tex.</b> Clay County, Tex. Wichita County, Tex.  <b>Williamsport, Pa.</b> Lycoming County, Pa.  <b>Wilmington, Del.-N.J.-Md.</b> New Castle County, Del. Cecil County, Md. Salem County, N.J.  <b>Wilmington, N.C.</b> Brunswick County, N.C. New Hanover County, N.C.  <b>Worcester, Mass.</b> Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass.  East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass.  North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass.  Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass.  Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
<b>Topeka, Kans.</b> Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	<b>Waterbury, Conn.</b> Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn.  New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn.  Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	<b>Yakima, Wash.</b> Yakima County, Wash.
<b>Trenton, N.J.</b> Mercer County, N.J.	<b>Waterloo-Cedar Falls, Iowa</b> Black Hawk County, Iowa	<b>York, Pa.</b> Adams County, Pa. York County, Pa.
<b>Tucson, Ariz.</b> Pima County, Ariz.	<b>Wausau, Wis.<sup>1</sup></b> Marathon County, Wis.	<b>Youngstown-Warren, Ohio</b> Mahoning County, Ohio Trumbull County, Ohio
<b>Tulsa, Okla.</b> Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	<b>West Palm Beach-Boca Raton, Fla.</b> Palm Beach County, Fla.	<b>Yuba City, Calif.<sup>1</sup></b> Sutter County, Calif. Yuba County, Calif.
<b>Tuscaloosa, Ala.</b> Tuscaloosa County, Ala.	<b>Wheeling, W. Va.-Ohio</b> Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	
<b>Tyler, Tex.</b> Smith County, Tex.	<b>Wichita, Kans.</b> Butler County, Kans. Sedgwick County, Kans.	
<b>Utica-Rome, N.Y.</b> Herkimer County, N.Y. Oneida County, N.Y.		
<b>Vallejo-Fairfield-Napa, Calif.</b> Napa County, Calif. Solano County, Calif.		
<b>Victoria, Tex.<sup>1</sup></b> Victoria County, Tex.		
<b>Vineland-Millville-Bridgeton, N.J.</b> Cumberland County, N.J.		
<b>Visalia-Tulare-Porterville, Calif.<sup>1</sup></b> Tulare County, Calif.		
<b>Waco, Tex.</b> McLennan County, Tex.		

<sup>1</sup>New SMSA since 1977 Economic Censuses.

<sup>2</sup>Independent of any county and considered a county equivalent.

<sup>3</sup>Millford town balance and Woodmont borough added since 1977 Economic Censuses.

<sup>4</sup>Muscogee County has been reinstated as a county. It replaced the county equivalent record for the independent city of Columbus.

<sup>5</sup>1977 title was Fort Myers, Fla.

<sup>6</sup>1977 title was Longview, Tex.

<sup>7</sup>Fenwick borough added since 1977 Economic Censuses.

<sup>8</sup>1977 title was Richland-Kennewick, Wash.

## REFERENCE MATERIALS • ORDER FORMS • PUBLICATION CORRECTIONS

Please send me the items marked (X) below.

☐ Corrections (if there are any) for this publication — **Construction Industries, Mountain States, CC82-A-8**

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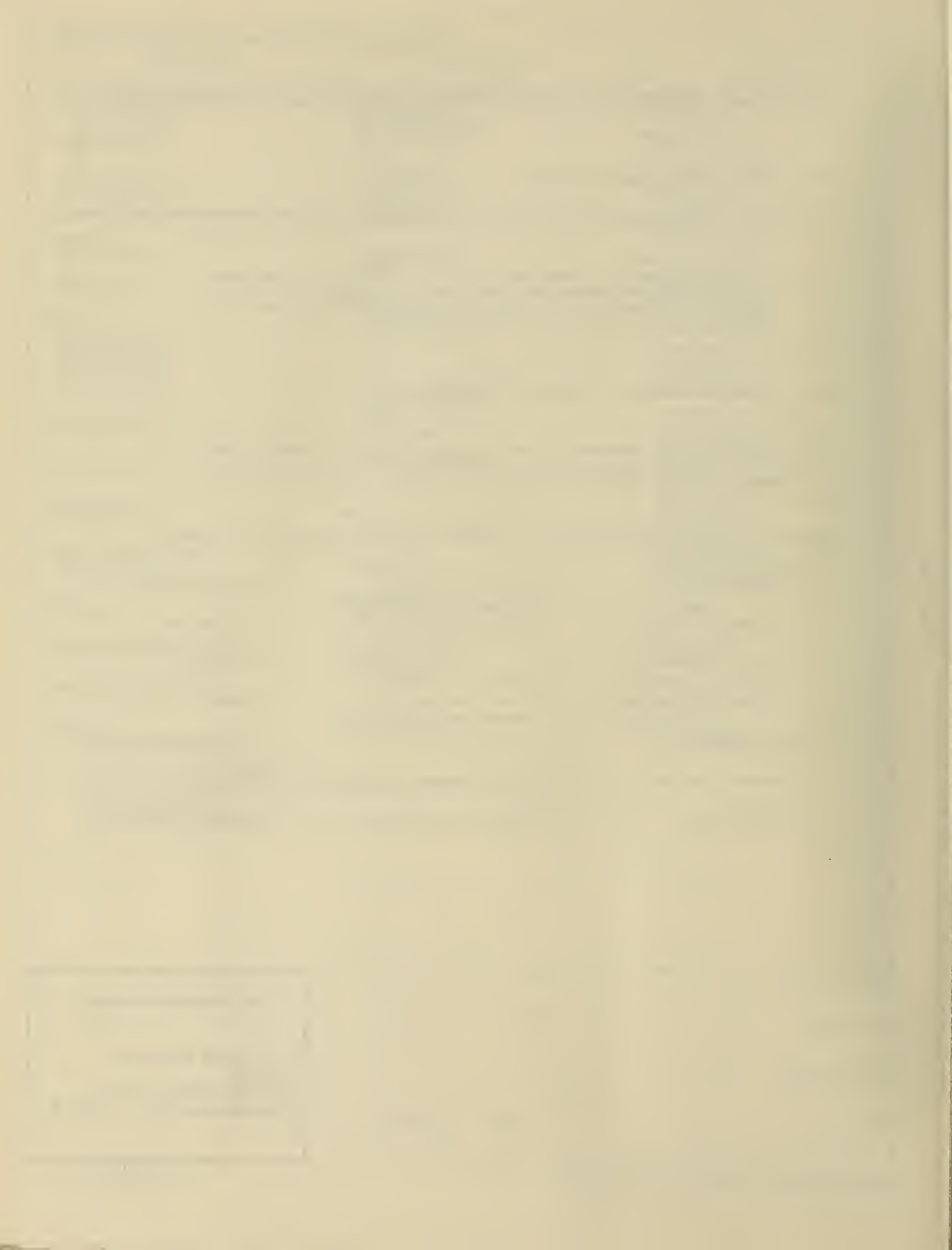
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# PUBLICATION PROGRAM

## 1982 CENSUS OF CONSTRUCTION INDUSTRIES

Publications of the 1982 Census of Construction Industries, containing data on construction establishments in the United States, are described below. Publications order forms for the specific reports may be obtained from any Department of Commerce district office or from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233.

### Preliminary Reports

Preliminary data from the 1982 census have been issued in 27 industry reports and 1 summary report. These reports are superseded by more detailed final reports.

### Final Reports

Final detailed statistics are issued in separate paperbound reports.

### Industry series—28 reports (CC82-I-1 to -28)

Industry series—27 reports (CC82-I-1 to -27). These reports present data for establishments with payroll and are published for 27 industries included in the census. Each industry report contains data by State and for the United States on number of establishments; receipts; employment; hours worked; payments to subcontractors; payments for materials, components and services; payments for power and fuels; payments for selected services; payments for the rental of machinery, equipment; value added; capital expenditures during the year; assets. Limited data for 1977, 1972, and 1967 are also shown. In addition, more detailed data are shown at the U.S. level for receipts by type of structure (single-family houses, street construction). Selected data also are provided for establishments classified by employment size and receipts size.

U.S. Summary—1 report (CC82-I-28). This report summarizes data for establishments with payroll presented in the 27 industry reports and presents limited data for establishments without payroll.

### Geographic area series—10 reports (CC82-A-1 to -10)

Division reports (CC82-A-1 to -9). These reports present data for States grouped according to the nine census geographic areas. Data for the geographic area series are the same as for the industry series, except here they are organized by State rather than by industry. Similar data also are presented for selected SMSA's. Data are provided for establishments classified by their employment size and receipts size. Data for establishments with no payroll as well as comparative 1977, 1972, and 1967 figures, on a limited basis, also are shown.

U.S. Summary by State (CC82-A-10). This report summarizes the data, as presented in the nine individual geographic division reports, for establishments with and without payroll.

### Special series—1 report (CC82-SP-1)

Legal form of organization and type of operation (CC82-SP-1)—This report presents limited data (number of establishments, number of proprietors and working partners, total employment, and total receipts) for construction establishments without payroll, for construction establishments with payroll, and for the aggregate, classified by industry and by legal form of organization. It also contains selected statistics (number of establishments, employment, payrolls, receipts, payments to subcontractors, net construction receipts, and value added) for construction establishments with payroll, classified by industry and by type of operation (multiunit or single-unit) and by legal form of organization.

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